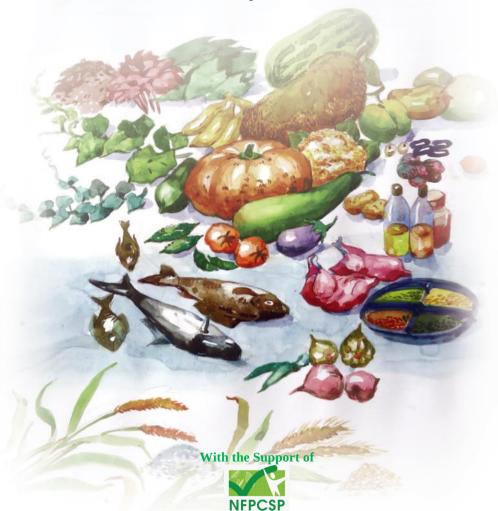
Food Composition Table for Bangladesh



Institute of Nutrition and Food Science Centre for Advanced Research in Sciences University of Dhaka



National Food Policy Capacity Strengthening Programme









In compliance with



Food Composition Table for Bangladesh

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Food Composition Table for Bangladesh

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Abbreviations

AAA Amino Acid Auto-analyzer
AAS Atomic Absorption Spectroscopy

AOAC Association of Official Analytical Chemists
ASEAN Association of Southeast Asian Nations
BARC Bangladesh Agricultural Research Council
BARI Bangladesh Agricultural Research Institute

BCSIR Bangladesh Council of Scientific and Industrial Research

Bangladesh Institute of Research and Rehabilitation for Diabetes, Endocrine and

Metabolic Disorders

CARS Centre for Advanced Research in Science

DB Database

DKP Deshio Khaddyodrobbeyer Pushtiman

EU European Union

FAO Food and Agriculture Organization of the United Nations

FCDB Food Composition Database for Bangladesh

FCT Food Composition Table
FDA Food and Drug Administration
FPMU Food Planning and Monitoring Unit

GAE Gallic Acid Equivalent
GLC Gas Liquid Chromatography

HIES Household Income and Expenditure Survey

HKI Helen Keller International

HPLC High Performance Liquid Chromatography

HYV High Yielding Variety

ICPMSInductively Coupled Plasma Mass SpectrometryINFOODSInternational Network of Food Data SystemsINFSInstitute of Nutrition and Food ScienceIPHNInstitute of Public Health Nutrition

IUPAC International Union of Pure and Applied Chemistry

KFs Key Foods **NE** Niacin Equivalent

NFPCSP National Food Policy Capacity Strengthening Programme

NGO Non Government Organization
NIN National Institute of Nutrition

NV Nutritive Value

PUFA Polyunsaturated Fatty Acids RAE Retinol Activity Equivalent

RE Retinol Equivalent
RF Retention Factor
SD Standard Deviation

SOP Standard Operating Procedure

TE Trolox Equivalent

UNU United Nations University

USAID United States Agency for International Development

USDA United States Department of Agriculture

WFP World Food Program

YF Yield Factor

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Preface

Food composition tables (FCTs) are considered as an essential tool for planning interventions in food security, nutrition and health. FCTs provide information relating to nutrient composition of foods with specific reference to energy, nutrients (e.g. protein, fat, carbohydrate, vitamins and minerals) and other nutritionally important food constituents (e.g. fibre, anti-nutrients, phytonutrients, etc.). The nutrient values are either based on chemical analyses performed in analytical laboratories or are collected from relevant sources.

Reliable data on the nutrient composition of foods are of critical importance for agricultural planning, setting food and nutrition targets in food and nutrition planning and policy, formulation of institutional and therapeutic diets, food and nutrition training, plant breeding, nutrition labelling, food regulations and consumer protection. The importance of FCTs has also been well recognized in evaluating the adequacy of diets through food consumption surveys investigating diet and health relationships. FCTs are also a critical source of reference while developing dietary guidelines for different population groups.

To develop a national and comprehensive Food Composition Database for Bangladesh (FCDB) taking into consideration the long-term change in food supply chain i.e. emergence of high yielding variety (HYV) and the existing limitations of the currently available data, the Food Composition Table for Bangladesh (FCTB) was designed to expand the quantity as well as to improve the quality of data on food composition. This complicated task was performed through the analysis of nationally representative samples of key foods (KF) together with the collection of secondary data from all relevant sources and borrowing of values for missing data from reliable and relevant databases from outside of Bangladesh.

The present table is expected to be a remarkable addition to national and regional food compositional activities. Moreover, Bangladesh has made an outstanding progress in the acquisition and dissemination of complete and accurate data on the composition of commonly consumed foods, beverages and their ingredients, in appropriate form to meet the needs of the various users by a systematic compilation and data management tool according to INFOODS Guidelines. This food composition table can serve as a compositional information package and, due to harmonization with other database, can be exchanged with other countries.

Background

Over the last four decades, efforts have been made to generate food composition data for Bangladesh. The first report on the nutritive value of 108 raw foods in Bangladesh was published in the "Nutritive Values of Some Common Food Stuffs" (1973). This report was revised, and republished in 1977 by the Institute of Nutrition and Food Science (INFS) as a booklet named 'Deshio Khaddyodrobbeyer Pushtiman' (DKP). It was subsequently reprinted in 1980, 1986 and 1992. In 1988, Helen Keller International (HKI) in collaboration with World Food Programme (WFP) and Institute of Nutrition and Food Science (INFS) compiled and published the first English version of a FCT for Bangladesh named 'Tables of Nutrient Composition of Bangladeshi Foods' which includes old and new data from Bangladesh and some borrowed data from the Indian Food Composition Tables. Other government organizations (e.g. Institute of Public Health Nutrition - IPHN) and private organizations (e.g. Bangladesh Institute of Research and Rehabilitation in Diabetes, Endocrine and Metabolic Disorders - BIRDEM) also published Tables of Food Composition which originated from DKP.

The "Tables of Nutrient Composition of Bangladeshi Foods" currently used has obvious limitations of outdated data as well as lack of documentation and harmonization with standard food composition tables. The FCT contains only thirteen components (moisture, ash, crude fibre, energy, protein, fat, carbohydrate, calcium, iron, carotene, vitamin B₁, vitamin B₂, and vitamin C) for a total of 338 raw foods. The most obvious limitations in this table include a wide range of missing nutrient values and lack of analytical data and precise description of the foods and data documentation.

Valid and reliable data on food composition are one of the basic tools in the design and evaluation of food and nutrition related practices. The work on food composition data needs to be carried out on a continuing basis and should be seen as a work in progress. As the FCT for Bangladesh was outdated and lacking in comprehensiveness, nutrition, agricultural and other related professionals recognized the need to update the Food Composition Table of Bangladesh.

Introduction

This new edition of the Bangladesh food composition table is based on a systematic data management process and on international standards and guidelines for food composition. Food composition data from various research institutes, universities, national and international NGOs in Bangladesh were collected and compiled. In addition, 20 key foods were analyzed for proximate, mineral, vitamin, fatty acid and amino acid composition. Food composition data from other sources (e.g. Indian FCT, Vietnam FCT, USDA, scientific literature) were used to supplement missing values. The FCT contains 381 foods and 87 components. Most of the data are for raw foods. Values for cooked foods and recipes were calculated by using yield factors from Islam et al (2012) and Rahim et al (2013) and retention factors from Eurofir (Vásquez-Caicedo et al., 2008). The FCT is divided in a main table (containing values on proximates, minerals and vitamin) and several annex tables for amino acids, fatty acids, sugar, antioxidants and antinutrients. Moreover, this edition contains protein values based on food-specific nitrogen to protein conversion factors instead of a general factor of 6.25 and emphasis was given to include values for total dietary fibre.

Explanatory Notes

Compilation Process

Nutritional data were compiled into the FAO/INFOODS Compilation Tool version 1.2.1, a food composition database management system in Excel (http://www.fao.org/infoods/infoods/software-tools/en/) and the compilation process as shown in Fig.1 was followed. At first compositional data from various sources (e.g. theses, reports, FCT, scientific articles) were collected. These data were compiled in

the archival database. In the reference DB, food entries of same/similar foods were aggregated and mean values were calculated. In addition, values were estimated, borrowed and calculated. A selection of foods and components was then used to be presented in the User database/table (Excel and PDF format. The electronic version in Excel format is available upon request from the authors).

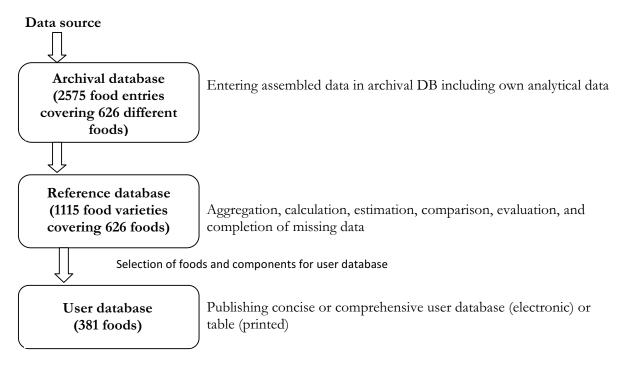


Figure 1: Different stages in food composition database management (adapted from Charrondiere, 2012)

FAO/INFOODS Guidelines

Quality checks were applied throughout the compilation process by applying FAO/INFOODS Guidelines (available at http://www.fao.org/infoods/infoods/standards-guidelines/en/). FAO/INFOODS Guidelines for Converting Units, Denominators and Expressions Version 1.0 were used to assist in recalculation issues whenever data were not available expressed as per 100 g edible portion on a fresh weight basis. FAO/INFOODS Guidelines for Checking Food Composition Data prior to the publication of a Table/Database - Version 1.0 helped to detect outliers and to comprehensively check data by food group, component, and food name.

TAGNAMES

Tagnames are abbreviated food component identifiers that facilitate international and regional interchange of compositional data through unambiguous identification of all food components (available at ftp://193.43.36.93/es/esn/infoods/Klensinetal1989Identificationoffoodcomponents.pdf; http://www.fao.org/infoods/infoods/standards-guidelines/food-component-identifiers-tagnames/en/). INFOODS Tagnames were used throught the entire compilation process. For the list of Tagnames applied in the current table, see Table 1.

Food Identification

Foods have been arranged alphabetically by English name within each food group. The Bengali name of

each food has been given next to the English food name in the table. The scientific names of the foods are listed in Annex 7.

The foods have been classified in the following 15 food groups. The number of food items within each food group is indicated in brackets.

- 01 Cereals and their products (43)
- 02 Pulses, legumes and their products (16)
- 03 Vegetables and their products (48)
- 04 Leafy vegetables (36)
- O5 Starchy roots, tubers and their products (21)
- Nuts, seeds and their products (16)
- 07 Spices, condiments and herbs (20)
- 08 Fruits (43)
- 09 Fish, shellfish and their products (72)
- Meat, poultry and their products (16)
- 11 Eggs and their products (7)
- 12 Milk and its productss (13)
- 13 Fat and oils (12)
- 14 Beverages (10)
- 15 Miscellaneous (8)

To allow tracing the data throughout the table every food has been given a unique food code. The food codes consist of the code of the food group (e.g. 01, 02, etc.) and the food code within this group (e.g. 01_0001, 02_0001).

Definition and expression of components

All values for foods including those for beverages and other liquids are presented per 100 g edible portion of fresh weight. The values reported in the table are average values derived from foods with the same/similar description that have been compiled in the archival database and aggregated in the reference database. Values per components were standardized and are expressed in fixed maximal number of decimal places. The components, units and corresponding TAGANMES used are listed in Table 1.

Table 1. Components, units and corresponding TAGNAMES (per 100 g edible portion of fresh weight)

Components	Unit	TAGNAME
Edible portion coefficient(calculated as the edible portion of	ratio	EDIBLE
the total food as purchased)		
Proximates		
Energy	kJ, kcal	ENERC
Water	g	WATER
Protein	g	PROT
Fat by Soxhlet	g	FATCE
Carbohydrate available by difference	g	CHOAVLDF
Dietary fibre or if missing dietary fibre value, then [crude	g	FIBTG or [FIBC]
fibre		
Minerals		
Ash	g	ASH
Calcium	mg	CA
Iron	mg	FE
Magnesium	mg	MG
Phosphorus	mg	P
Potassium	mg	K

Components	Unit	TAGNAME
Sodium	mg	NA
Zinc	mg	ZN
Copper	mg	CU
Vitamins		
Vitamin A (expressed in retinol activity equivalents)	mcg	VITA_RAE
Retinol	mcg	RETOL
Beta-carotene equivalents or [beta-carotene]	mcg	CARTBEQ or [CARTB]
Vitamin D	mcg	VITD
Vitamin E (in alpha-tocopherol equivalents) or [alpha-	mg	VITE or [TOCPHA]
tocopherol	0	
Thiamin	mg	THIA
Riboflavin	mg	RIBF
Niacin equivalent or [Niacin]	mg	NIAEQ [NIA]
Vitamin B ₆	mg	VITB6A
Folate	mcg	FOL
Vitamin C (mainly L-Ascorbic acid)	mg	ASCL
Fatty acids		
Fatty acid 6:0	g	F6D0
Fatty acid 8:0	g	F8D0
Fatty acid 10:0	g	F10D0
Fatty acid 12:0	g	F12D0
Fatty acid 14:0	g	F14D0
Fatty acid 15:0		F15D0
Fatty acid 16:0	g	F16D0
Fatty acid 17:0	g	F17D0
Fatty acid 18:0	g	F18D0
Fatty acid 20:0	g	F20D0
Fatty acid 22:0	g	F22D0
Fatty acid 14:1	g	F14D1
Fatty acid 14:1 Fatty acid 14:1 cis n-5	g	F14D1 F14D1CN5
Fatty acid 16: 1	g	F16D1
Fatty acid 16:1 cisn-7	g	F16D1CN7
Fatty acid 18:1	g	F18D1
Fatty acid 18:1 cis n-7	g	F18D1CN7
Fatty acid 18:1 n-9	g	F18D1N9
Fatty acid 20:1	g	F20D1
Fatty acid 20:1 cis n-9	g	F20D1 F20D1CN9
Fatty acid 20:1 cis n-7	g	F20D1CN11
Fatty acid 22:1	g	F22D1
Fatty acid 22:1 cis n-9	g	F22D1CN9
Fatty acid 20:2	g	F22D1CN9 F20D2
	g	F20D2 F20D3N6
Fatty acid 20:3 n-6	g	
Fatty acid 18:2	g	F18D2
Fatty acid 18:2 cis n-6	g	F18D2CN6
Fatty acid 18:3	g	F18D3
Fatty acid 18:3 cis n-3	g	F18D3CN3
Fatty acid 18:3 n-6	g	F18D3N6
Fatty acid 20:4	g	F20D4
Fatty acid 20:4 n-6	g	F20D4N6
Fatty acid 20:5 cis n-3	g	F20D5CN3
Fatty acid 22:5 cis n-3	g	F22D5CN3
Fatty acid 22:6 cis n-3	g	F22D6CN3
Fatty acid 24:1 cis n-9	g	F24D1CN9

Components	Unit	TAGNAME
Amino acids		
Alanine	mg	ALA
Arginine	mg	ARG
Aspartic acid	mg	ASP
Cystine	mg	CYS
Glutamic acid	mg	GLU
Glycine	mg	GLY
Histidine	mg	HIS
Isoleucine	mg	ILE
Leucine	mg	LEU
Lysine	mg	LYS
Methionine	mg	MET
Phenylalanine	mg	PHE
Proline	mg	PRO
Serine	mg	SER
Threonine	mg	THR
Tyrosine	mg	TYR
Valine	mg	VAL
Other		
Total phenol content, (TPC), expressed in gallic acid equivalent (GAE)	mg	
Antioxidant capacity, (DPPH) expressed in trolox- equivalent (TE)	μ mol	
Antioxidant capacity, (ORAC) expressed in trolox-equivalent (TE)	μ mol	
Oxalate	mg	OXALAC
Phytate	mg	PHYTAC
Total sugar	g	SUGAR
Choletserol	mg	CHOL

Notes on components

Proximates

Energy (kJ, kcal) <ENERC>

The metabolizeable energy values of all foods are given in both kilojoules (kJ) and kilocalories (kcal). The energy values have been calculated based on protein, fat, available carbohydrates, fibre and alcohol values and by applying the energy conversion factors shown in Table 2.

Table 2. Metabolizeable energy conversion factors

	kJ/g	kcal/g
Protein	17	4
Fat	37	9
Available carbohydrate	17	4
Fibre	8	2
Alcohol	29	7

Water (g) <WATER>

Water content of KFs was determined from weight loss on drying of the sample in an oven at 105°C for 6 h (AOAC 2000). The moisture-free samples were charred and heated to 600°C until a constant weight was achieved, the residue being quantified as ash (AOAC 2000). Methods of estimating water values of secondary data sourcesincluded mainly oven-drying method, except in few cases were the values for water were calculated.

Protein (g) <PROT>

The nitrogen content of KFs was determined by Kjeldahl method (No. 984.13; AOAC 2000). The protein content was calculated by multiplying the nitrogen values with Jones factors (XN). If no specific factor is given, the general nitrogen conversion factor of 6.25 was used. Protein values of many secondary data from Bangladesh previsouly used a general conversion factor of 6.25, which was corrected in this edition by applying the Jones factors (Table 3).

Table 3. Nitrogen to protein conversion factors adapted from Iones (1941), unless indicated

Animal products							
Foodstuff	Factor	Foodstuff	Factor				
Meat and fish**	6.25	Eggs					
Gelatin	5.55	- whole	6.25				
Milk	6.38	- albumin**	6.32				
Casein**	6.40	- vitellin**	6.12				
Human milk **	6.37						
	Plan	nt products					
Foodstuff	Factor	Foodstuff	Factor				
Wheat -whole kernel	5.83	Millet#	5.83				
Wheat -bran	6.31	Sorghum#	6.25				
Wheat -embryo	5.80	Beans	6.25				
Wheat -endosperm	5.70	Soybean	5.71				
Rice	5.95	Castor beans	5.30				
Rye	5.83						
Barley	5.83						
Oats	5.83	Yeast*	5.70				
Maize (corn)	6.25	Coffee*	5.30				
Beans: adzuki; jack; lima; mung; navy;	6.25						
velvet							
Nuts							
Almond			5.18				
Brazil			5.46				
Peanuts (groundnut)			5.46				
Others (butternuts; cashew; chestnut; coowalnuts)#	conut; hazelr	nut; hickory; pecans; pine nuts; pistachio;	5.30				
Seeds (cataloup; cottonseed; flaxseed; her	npseed; pun	npkin; sesame; sunflower)	5.30				

^{*} From USDA SR24 documentation (USDA, 2011)

Fat (g) <FATCE>

The majority of fat value was derived by the continuous extraction method (Soxhlet method) for secondary data and for the KF (no. 991.36 of AOAC 2000).

Carbohydrate, available (g) < CHOAVLDF>

The content of available carbohydrate for all foods in the table was determined "by difference". Available carbohydrates by difference: 100 - (Water + Protein + Fat + Ash + Fibre + Alcohol). In cases where crude fibre was used in the calculation, the value is of lower quality.

Dietary fibre (g) <FIBTG> or crude fibre <FIBC>

Dietary fiber of KFs was determined by AOAC method (2000) using total dietary fibre assay kit [enzymatic-gravimetric method - Prosky (985.29)]. Total dietary fibre was the weight of the residue minus the weight of the protein and ash.

[#] From Merrill and Watt (1973)

^{**} From Greenfield and Southgate (2003)

The majority of secondary data from Bangladesh (theses, previous FCTs) had only values for crude fibre (FIBC). Therefore, many dietary fibre values were borrowed from databases, outside of Bangladesh. In cases, where only crude fibre (FIBC) was available, the value is marked in bracket [].

Ash(g) < ASH >

Ash content of KFs was estimated by heating the dried raw sample in a Muffle furnace at 600°C to burn out all organic materials for 3-5 hours till to constant weight (AOAC, 1998d). The inorganic residue was quantified as the ash content. The majority of the secondary data used same method

Minerals

Mineral contents of KFs including, calcium, magnesium and iron was determined by Atomic Absorption Spectrophotometer (AAS) (AOAC, 2000). Sodium and potassium content was estimated by flame photometry (Flame Photometer, Model: PFP7) and zinc and copper by ICP-MS (Agilent7700) (JAOAC 73, 404, 1990). The majority of secondary data was determined by AAS. Secondary data of few foods had phosphorous value estimated by colorimetric method.

Vitamins

Water-soluble vitamins

L-Ascorbic acid(mg) <ASCL>

For KFs, L-ascorbic acid was estimated by HPLC. Evaluation was carried out by comparing the peak area against an ascorbic acid standard (ASEAN Manual of food Analysis, 2011). Content of L-Ascorbic acid in most of the secondary data were estimated by titrimetry.

Vitamin B₁ (Thiamin) (mg) <THIA>

For KFs, the aqueous extract obtained from the food by acid hydrolysis followed by enzymatic hydrolysis, was injected onto a reverse phase HPLC column and then Thiamin was determined after post column derivatisation with alkaline potassium ferricyanide that converted Thiamin to thiochrome which fluorescenced in ultraviolet light (λ =942.23). Methods used for Thiamin values of secondary data were either AOAC methods or not described.

Vitamin B2 (Riboflavin) (mg) <RIBF>

For the estimation of riboflavin content of KFs the aqueous extract of the food by acid hydrolysis followed by enzymatic hydrolysis, was injected onto a reverse phase HPLC column and then the fluorescence of riboflavin was measured (970.65). Methods used for ribolavin values of secondary data were either AOAC methods or not described.

Vitamin B6 (Pyridoxine) (mg) <VITB6A>

Vitamin B₆ in foods has been determined by microbiological method (AOAC, 2000) using *Saccharomyces carlsbergensis as the assay organism*. Raw samples were heated first with diluted mineral acid under autoclaving conditions to liberate the B₆ vitamin from their protein complex and hydrolyze phosphorylated forms to the free vitamin. Methods used for pyridoxine values of secondary data were either AOAC methods or not described.

Fat-soluble vitamins

Retinol (mcg) <RETOL> and beta-carotene (mcg) <CARTB>

Retinol of the sample extract for KF was estimated by HPLC according to the method of ASEAN Manual of Nutrient Analysis (2011). Quantization was carried out against vitamin A standard.

Vitamin A and beta-Carotene (mcg)

• Vitamin A RAE (mcg) <VITA_RAE>

Total vitamin A activity expressed in mcg retinol activity equivalent (RAE)= mcg retinol + 1/12 mcg β -carotene + 1/24 mcg α -carotene + 1/24mcg β -cryptoxanthin

• Retinol (mcg) <RETOL>

Retinol is expressed as all-trans-retinol for all foods. Exceptions exist for some fish entries, were the sum of all-trans-retinol (100%) plus contributions from retinol (13-cis) (75%) was applied.

• Beta-carotene expressed in β -carotene equivalents (mcg) < CARTBEQ>

Beta-carotene of the sample extract for KF was estimated by HPLC according to the method of ASEAN Manual of Nutrient Analysis (2011). Quantization was carried out against beta-carotene standard.

mcg β -carotene equivalents = 1 mcg β -carotene + 0.5 mcg α -carotene + 0.5 mcg β -cryptoxanthin. In cases, where only beta-carotene was available, the value is marked in 3^{rd} braket, [].

Antinutrients and Phytochemicals

Phytate (mg)<PHYTAC>

Phytate was determined using a modified ion exchange method of Ellis and Morris (1983, 1986) from triplicate samples of dried (60°C) food samples.

Oxalate (mg)<OXALAC>

Oxalates were estimated employing HPLC after extracting soluble and insoluble oxalates using water and 2M HCl, respectively.

Total phenol content (mg)

TPC of the plant origin food samplesextracts was estimated colorimetrically according to the Folin-Ciocalteau method(Singlleton & Rossi, 1965). The total polyphenol content is expressed as gallic acid equivalent.

Antioxidant capacity (umol)

Estimation of the antioxidant capacity of the samples was performed by DPPH radical scavenging assay of Brand-Williams, Cuvelier & Berset (1995). The antioxidant capacity of the assayed samples was calculated from the standard curve, in terms of Trolox Equivalent Antioxidant Capacity (TEAC) and was expressed as μ mol TE. The ORAC value was estimated according to the method of Huang et al (2002).

Fatty acids and amino acids

Fatty acids (g)

For the determination of individual fatty acids, both saponifiable and non-saponifiable fractions were extracted using n-Hexane. The fatty acids were methylated according to the method of Morrison and Smith, and finally a portion was injected into a gas liquid chromatography (Pye Unicam GC 304, glass column, 1500mm X 4mm). Nitrogen was used as carrier gas at flows of 32ml/min. The standards were carried out through the same procedure.

Amino acids (mg)

Percent composition of amino acid of samples was estimated by the modified method of Moore et al. The amino acid composition was determined in a fully automated liquid chromatography (JLC-300 TEOL LTD, TOKYO).

Methodology for key foods identification and analysis

Key Foods Approach

Key Foods are those foods that, in aggregate, contribute more than 75% of the nutrient intake for selected nutrients of public health importance from the diet. The Key Foods approach herein involves using the food composition and food consumption data (HIES, 2010) to identify and prioritize foods and nutrients for analysis (Haytowitz, et al., 2002).

Laboratory Analysis of selected KFs

The analysis of nutrients and other constituents of 20 prioritized key foods (Table 4) preceded by appropriate food sampling process and careful food collection and transportation procedures.

Table 4. Prioritized KFs for analysis

Food name in English	Code	Food name in English	Code
Rice (Oryza sativa)	01_0012	Jackfruit (Artocarpus heterophyllus)	08_0017
Wheat flour (Triticum aestivum)	01_0031	Mango (Mangifera indica)	08_0026
Lentil (Lens culinaris)	02_0008	Pangas fish (Pangasius pangasius)	09_0047
Bean (Dolichos lablab)	03_0003	Rohu fish (Labeo rohita)	09_0060
Brinjal (Solanum melongena)	03_0005	Tilapia fish (Oreochromis mossambicus)	09_0068
Carrot (Daucus carota)	03_0008	Chicken breast (Gallus bankiva murghi)	10_0006
Green chilli (Capsicum frutescens)	03_0010	Chicken leg (Gallus bankiva murghi)	10_0007
Onion (Allium cepa)	03_0024	Egg (Gallus bankiva murghi)	11_0001
Tomato (Lycopersicon esculentum)	03_0031	Milk (Bos taurus)	12_0008
Potato (Solanum tuberosum)	05_0005	Soybean oil (Glycine max)	13_0012
Banana (Musa paradisiaca)	08_0004		

Food sampling protocol

A stratified sampling plan based on National Population Census Model was used for food sampling. Considering the area size and overlapping of Agro-ecological zones across all 7 divisions of Bangladesh, twenty-eight sites (two or three sites of each division) including both *Haats* (village markets) and city markets were selected. Seventy percent of the selected KFs were collected from these 14 *Haats* (considering 70% of rural population) and the rest from wholesale/retail markets of city corporation areas.

Sample collection protocol

The actual collection of the samples was done following a random method. The samplers randomly chose food samples of dominant variety from preselected sites. The dominant varieties, their scientific documentation and associated features as well as food sample pictures were supplied by Bangladesh Agriculture Research Institute (BARI) to the team in advance. This was then shared with the samplers for the sample collection.

Logging the laboratory samples

Logging was done by simulating the way the producers, wholesalers and retailers pack, store, and transport their food commodities to the consumers.

The samplers tagged collected samples and maintained a log to record pertinent details that accompanied the samples.

Laboratory Analysis protocol

Each selected method to analyze foods for their constituents was standardized in the laboratory and validated according to the AOAC/IUPAC validation protocol and standard operating procedures (SOP). Each method was also documented for quality control and quality assurance programme. Duplicate/triplicate analysis of each food item wasdone to calculate the mean content of each nutrient. For more details on the methodology used per component see, Notes on components, page xiv.

Composite Test Samples

A single composite sample of a homogeneous mix of units of the same type and variety of food item was followed. FDA analyzes single composite sample based on 12 units of each sample. Therefore, it was considered satisfactory to follow a rule of thumb in developing a database including 12 units in each single composite sample to be analyzed.

Selection of Analytical Methods

To ensure accuracy, precision, specificity, sensitivity and linearity of the estimated values for food constituents, appropriate methods as given in the most recent edition of Official Methods of analysis of AOAC International were selected. For some nutrients, modification of the AOAC Official Methods was needed. In such case, the ASEAN Manual of Nutrient Analysis (ASEANFOODS 2011) was considered to be useful for a list of methods adopted after method validation as per AOAC/IUPAC protocol in order to analyze the composite sample. Each analytical procedure was accompanied with a quality assurance program to ensure the quality of the data. Extensive documentation of every single step for laboratory analysis was carried out. These documentations have been kept for data management, identification of missing steps and values, as well as recall points for repeats of analysis.

Cooked foods and Recipes

Food is generally cooked in some form before consumption. Depending on the type and condition of the food and the desired end product, the required heat treatment will follow (e.g. boiling in water, frying in oil, or steaming). The purpose of the preparation is to convert the food into an edible form that is termed as the recipe.

Nutrient values of cooked foods were calculated by using the nutrient retention factors (RF) from EuroFIR (Vásquez-Caicedo et al., 2008) and yield factors (YF) from (Islam et al, 2012, Rahim et al., 2009, Pasricha et al, 2006 and Bergström, 1994). The mixed recipe calculation method was used. This means that Yield factors (YF) are applied at the recipe level and nutrient retention factors (RF) are applied at the ingredient level (see below).

Mixed recipe calculation method

Ingredient 1: NV x RF

Ingredient 2: NV x RF

Ingredient 3: NV x RF

Recipe: Sum above x YF

Nutrient retention factors (RF)

True retention is defined as the measure of the proportion of the nutrient remaining in the cooked food in relation to the nutrient originally present in the raw food (Bonnar et al, 2000). Nutrient retention factors (RF) were used from EuroFIR (Vásquez-Caicedo et al., 2008) for vitamins and minerals.

Table 5. Nutrient retention factors for vitamins

	Vit. A	Vit. D	Vit. E	Vit. B ₁	Vit. B ₂	Niacin	Vit. B ₆	Folate	Vit. C
Rice, or other grain, whole, boiled	0.90	1	1	0.50	0.75	0.75	0.50	0.70	0.70
Rice, or other grain,	0.90	1	1	0.50	0.50	0.75	0.50	0.70	0.70

	Vit.	Vit.	Vit. E	Vit. B ₁	Vit. B ₂	Niacin	Vit. B ₆	Folate	Vit. C
polished, boiled							•		
Flour or starch, baked or roasted	0.90	1	1	0.75	0.95	0.95	0.9	0.50	0.70
Pulse, dish, boiled	1	1	0.90	0.65	0.75	0.65	0.70	0.50	0.60
Vegetable or vegetable product, boiled	0.96	1	0.97	0.70	0.76	0.69	0.70	0.54	0.61
Vegetable dish cooked with fat or oil (fried)	0.93	1	0.98	0.90	0.95	0.95	0.90	0.70	0.82
Stem, flower, fruit, corn, seed, cooked with fat or oil (fried)	0.9	1	1	0.9	0.95	0.95	0.9	0.7	0.8
Root tuber and bulb vegetables, boiled	0.90	1	1	0.70	0.70	0.70	0.70	0.50	0.40
Root, tuber and bulb vegetables, cooked with fat or oil (fried)	0.9	1	1	0.9	0.95	0.95	0.9	0.7	0.85
Leafy vegetables, boiled	0.90	1	1	0.65	0.65	0.65	0.65	0.50	0.40
Starchy root or potato, boiled	0.95	1	1	0.78	0.88	0.75	0.75	0.63	0.70
Low fat fish, boiled, steamed, stewed	0.90	0.90	1	0.75	0.70	0.70	0.70	0.70	0.80
Low fat fish, cooked with fat or oil (fried)	0.9	0.9	1	0.8	0.9	0.9	0.8	0.8	0.80
Beef, boiled or steamed	0.75	0.75	0.75	0.40	0.80	0.50	0.40	0.65	1
Egg or egg product, boiled	0.95	0.95	1	0.80	0.80	0.80	0.80	0.80	0.80
Egg or egg product, cooked with fat or oil (fried)	0.95	0.95	0.95	0.83	0.83	0.95	0.90	0.70	0.80
Milk, milk products or milk substitute, cooked by moist heat	1	1	1	0.85	0.95	0.95	0.85	0.65	0.7
Fat or oil, baked or roasted	0.85	1	0.75	1	1	1	1	1	1
Fat or oil, cooked with fat or oil (fried)	0.5	1	0.2	1	1	1	1	1	1

Table 6. Nutrient retention factors for minerals

	Ca	Fe	Mg	P	K	Na	Zn	Cu
Rice, or other grain, whole, boiled, or steamed	1	1	1	0.95	0.80	0.80	0.95	1
Rice, or other grain, polished, boiled, or steamed	1	0.95	1	0.95	0.55	0.60	0.95	0.95
Flour or starch, baked or roasted	1	1	1	1	1	1	1	1
Pulse, dish, boiled	0.85	0.85	0.85	0.90	0.75	0.75	0.90	0.70
Vegetable or vegetable products, boiled	0.92	0.84	0.78	0.91	0.68	0.75	0.85	0.85
Vegetable dish cooked with fat or oil (fried)	1	1	1	1	0.98	1	1	1
Stem, flower, fruit, corn, seed, cooked with fat or oil (fried)	1	1	1	1	0.95	1	1	1
Root tuber and bulb vegetables, boiled	0.95	0.75	0.60	0.90	0.45	0.55	0.75	0.95
Root, tuber and bulb vegetables, cooked	1	1	1	1	1	1	1	1

with fat or oil (fried)								
Leafy vegetables, boiled	0.95	0.75	0.60	0.90	0.50	0.75	0.75	0.95
Starchy root or potatoes, boiled	0.95	0.93	0.90	0.93	0.80	0.80	0.90	0.90
Low fat fish, boiled, steamed, stewed	1	0.80	0.85	0.85	0.75	0.85	1	0.90
Low fat fish, cooked with fat or oil (fried)	1	0.85	0.9	0.9	0.85	0.85	1	0.95
Beef, boiled, or steamed	0.80	1	0.60	0.65	0.50	0.45	1	1
Egg or egg product, boiled	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Egg or egg product, cooked with fat or oil (fried)	1	1	1	1	1	1	1	1
Milk, milk products or milk substitute, cooked by moist heat	1	1	1	1	1	1	1	1
Fat or oil, baked or roasted	1	1	1	1	1	1	1	1
Fat or oil, cooked with fat or oil (fried)	1	1	1	1	1	1	1	1

Yield factors (YF)

Yield factors provide information on weight changes during the food preparation, e.g. water absorption during cooking of rice and water loss during the preparation of meat. Table 7 lists the yield factors used for single as well as mutli-ingredient recipe.

Table 7. Yield factors

Food	Food name in English	Food name in	Yield	Source					
code	e e	Bengali	Factor	Source					
Cereals and their products									
01_0037	Rice, BR-28, boiled* (without salt)	Bhat, BR-28, bosa bhat*	3.04	Islam et al, 2012					
01_0040	Rice, white, sunned, aromatic, boiled* (without salt)	Bhat, Sugondhi, bosa bhat	3.12	Islam et al, 2012					
01_0041	Rice, white, sunned, polished, milled, boiled* (without salt)	Bhat, Atop, bosa bhat	3.12	Islam et al, 2012					
01_0038	Rice, brown, home-pounded, boiled* (without salt)	Dheki chhata siddha lal chal er bhat	3.04	Islam et al, 2012					
01_0039	Rice, brown, milled, boiled* (without salt)	Kole chhata siddha lal chal er bhat	3.04	Islam et al, 2012					
01_0043	Vermicelli, boiled* (without salt)	Semai siddha	2.30	Bergström, 1994 (Macaroni, boiled)					
01_0036	Plain pulao*	Plain pulao*	0.93	Rahim, 2013					
01_0035	Plain Khichuri*	Khichuri	0.75	Pasricha et al, 2006					
01_0034	Biscuit, sweet *	Misti biscuit	1.03	Pasricha et al, 2006					
01_0042	Ruti*	Ruti	0.86	Rahim, 2013					
Pulses, legu	imes and their products								
02_0012	Bengal gram, whole, boiled* (without salt)	Chhola siddha, lobon chara*	1.92	Islam et al, 2012					
02_0013	Green gram, split, boiled* (without salt)	Mung dal siddha, lobon chara	2.13	Islam et al, 2012					
02_0014	Grass pea, split, boiled* (without salt)	Khesari dal siddha, lobon chara	2.51	Islam et al, 2012					
02_0015	Lentils, boiled* (without salt)	Mosur dal siddha, lobon chara	2.06	Islam et al, 2012					
02_0016	Pea, boiled* (without salt)	Motor siddha, lobon chara	1.92	Islam et al, 2012					
Vegetables	and their products								
03_0033	Brinjal, boiled* (without salt)	Begun siddha, lobon	0.92	Islam et al, 2012					

Food code	Food name in English	Food name in Bengali	Yield Factor	Source
		chara*		
03_0042	Plantain, boiled* (without salt)	Kancha kola siddha, lobon chara	1.02	Islam et al, 2012
03_0043	Pumpkin, boiled* (without salt)	Mistikumra siddha, lobon chara	0.64	Islam et al, 2012
03_0040	Okra/Lady's finger, boiled* (without salt)	Dheros siddha, lobon chara	1.23	Islam et al, 2012
03_0045	Tomato, ripe, boiled* (without salt)	Tomato paka siddha, lobon chara	0.53	Islam et al, 2012
03_0036	Cauliflower, boiled* (without salt)	Fulkopi siddha, lobon chara	0.95	Islam et al, 2012
03_0035	Carrot, boiled* (without salt)	Gajor siddha, lobon chara	0.81	Islam et al, 2012
03_0044	Radish, boiled* (without salt)	Mula siddha, lobon chara	0.88	Islam et al, 2012
03_0041	Papaya, unripe, boiled* (without salt)	Kancha pepe siddha, lobon chara	0.93	Islam et al, 2012
03_0038	Gourd, pointed, boiled* (without salt)	Potol siddha, lobon chara*	0.87	Islam et al, 2012
03_0047	Gourd, bitter, boiled* (without salt)	Korola siddha, lobon chara*	0.87	Islam et al, 2012
03_0039	Gourd, teasle, boiled* (without salt)	Kakrol siddha, lobon chara*	0.87	Islam et al, 2012
03_0037	Cowpea, boiled* (without salt)	Borboti siddha, lobon chara	0.96	Islam et al, 2012
03_0046	Lady's finger-tomato bhuna*	Dheros-tomato bhuna*	0.54	Rahim, 2013
03_0048	Bitter gourd fry*	Korola vaji*	0.62	Rahim, 2013
Leafy vege				
04_0032	Amaranth leaves, red, boiled* (without salt)	Lal shak, siddha, lobon chara	0.85	Islam et al, 2012
04_0034	Slender amaranth leaves, boiled* (without salt)	Notay shak siddha, lobon chara	0.85	Islam et al, 2012
04_0033	Amaranth leaves, green, boiled* (without salt)	Data shak, sobuj, siddha, lobon chara*	0.85	Islam et al, 2012
04_0035	Spinach, boiled* (without salt)	Palong shak siddha, lobon chara	0.55	Islam et al, 2012
04_0036	Indian spinach, boiled* (without salt)	Pui shak siddha, lobon chara	0.76	Islam et al, 2012
Starchy roo	ots, tubers and their products			
05_0011	Colocasia/Taro, boiled* (without salt)	Kochur Mukhi siddha, lobon chara*	0.89	Islam et al, 2012
05_0012	Potato, Diamond, boiled* (without salt)	Gol alu siddha, lobon chara*	0.99	Islam et al, 2012
05_0013	Sweet potato, pale-yellow flesh, boiled* (without salt)	Misti alu, holdey, siddha, lobon chara*	0.99	Islam et al, 2012
05_0014	Sweet potato, white flesh, boiled* (without salt)	Misti alu, sada, siddha, lobon chara*	0.99	Islam et al, 2012
05_0015	Sweet potato, skin purple, flesh pale-yellow, boiled* (without salt)	Misti alu, lal khosa, siddha, lobon chara*	0.99	Islam et al, 2012
05_0016	Sweet potato, Komola Sundori, orange flesh,	Misti alu, Komola Sundori, siddha, lobon	0.99	Islam et al, 2012

Food	Food name in English	Food name in	Yield	Source
code		Bengali	Factor	
	boiled*(without salt)	chara*		
05_0017	Colocasia/Taro/Tannia,	Dudh kochu siddha,	0.89	Islam et al, 2012
03_0017	cormel, boiled* (without salt)	lobon chara*	0.07	151a111 Ct a1, 2012
05_0018	Elephant foot, corm, boiled*	Ole kochu siddha,	0.89	Islam et al, 2012
03_0010	(without salt)	lobon chara*	0.07	151a111 Ct a1, 2012
05_0019	Giant taro, corm, boiled*	Mankochu siddha,	0.89	Islam et al, 2012
03_0017	(without salt)	lobon chara*	0.07	151a111 Ct a1, 2012
05_0020	Yam, tuber, boiled* (without	Bon alu siddha, lobon	0.89	Islam et al, 2012
03_0020	salt)	chara*	0.07	151a111 Ct a1, 2012
05_0021	Potato Mash* (with salt)	Alu siddha, lobon	0.83	Rahim, 2013
03_0021	1 Otato Masii* (with sait)	soho*	0.03	Kaiiiii, 2013
Meat, poult	ry and their products			
10_0016	Beef handi kabab*	Haaree kabab	0.82	Rahim, 2013
Eggs and th	neir products			
11_0005	Egg, chicken, boiled*	Murgir Dim siddha,	0.88	Islam et al, 2012
11_0003	(without salt)	lobon chara*	0.00	Islam et al, 2012
11_0006	Egg, chicken, native, boiled*	Deshi Murgir dim	0.88	Islam at al. 2012
11_0000	(without salt)	siddha, lobon chara*	0.00	Islam et al, 2012
11_0007	Egg, duck, whole, boiled*	Hasher dim siddha,	0.88	Islam et al, 2012
11_0007	(without salt)	lobon chara	0.00	181a111 et ai, 2012
Fish, shellfi	sh and their products			
09_0071	Small fish fry*	Kachki mach vaji	0.73	Rahim, 2013
09_0072	Fish ball*	Macher kopta	0.72	Rahim, 2013
Milk and its	s productss			
12_0013	Payesh*	Payesh	0.64	Rahim, 2013

Bioavailability

Food composition values represent the total amount of the nutrient in the food while bioavailability represents the amount potentially available for actual absorption or actually absorbed in the body. Bioavailability is a measure of the extent to which a nutrient becomes available to the body after ingestion and thus is available to the tissues. The bioavailability of nutrients in the local diet should also be considered when nutrient intake data are assessed. Diet composition and food processing used will need to be considered in evaluating the bioavailability of nutrients, notably micronutrients in the diet. The current FCT does not include bioavailability assessment but considers this an area for further work.

Documentation, quality and source of data

Documentation

For each food, the sources of the data are indicated by bibliographic codes (BiblioID), which are included in Annex 7 and in the reference list.

The foods presented in this table represent mean values of the collected compositional data. For water, exceptionally, the median was calculated. When the number of data points was 3 or above the standard deviation (SD) was calculated. If only two data points were available, the minimum (min) and maximum (max) values were given. For each value, the number of data points is indicated (n).

Quality of data

Foods were collected according to a sampling plan that represented the nationally representative samples of key foods of Bangladesh. At the same time it was ensured that compositional data were generated for

highly consumed dominant varieties. These data for KFs (n = 20) were generated according to AOAC recommended methods with method validation, precision and accuracy. Additionally, secondary compositional data were taken with caution only after checking for reliability, suitability and adequacy.

Limitations

There is a serious lack of data on total dietary fibre, niacin equivalent, phosphorous and folate. Therefore, most of these data were imputed from other sources (e.g. Indian FCT (IND), Thai FCT (TH), Vietnam FCT (VIN), Pakistan (PAK), USDA (US25), UK (UK6), Danish (DK7),FAO/INFOODS analytical Food Composition Database (ADB), FAO/INFOODS and Food Composition Database for Biodiversity (BID). Iodine content of the foods is highly dependent on soil and has regional variation which cannot be captured by composite analysis. Therefore, these values were omitted. Fat estimation was done by Soxhlet method which might cause underestimation of fat values for certain food groups. Only L-Ascorbic acid was estimated for KFs by HPLC which may not give the total Vitamin C content. Calcium content in milk, pasteurized and fresh milk (cow) was noted to be low. This has been confirmed by repeated analysis.

2575 food entries were compiled in the archival DB representing approximately 626 different foods and 1115 varieties. These have been entered into archival database for their nutrient compositional data. But in some cases, it was impossible to incorporate data into the reference database owing to lack of reference values at the regional level to fill up the missing nutrients. In addition, some of the secondary data had to be omitted due to the data quality. Therefore, a total of 381 foods have been included in the user database and FCT.

Symbols and abbreviations used in the Table

Tr	Trace
	for alternative analytical method or
	low quality
blank	Missing values
*	Recipe calculation

Recommendations

- Reliable nutrient compositional data of foods are required in nutritional assessment, dietary management of disease, prevention and control of nutrient deficiencies, epidemiological research on non-communicable diseases, nutrition education and nutrition labelling as well as for a variety of applications in the field of nutrition, agriculture, trade, development and assistance. Further work is necessary for which allocation of funding is required in order to generate primary analytical data for the rest of the key foods as determined in present project.
- To develop a comprehensive FCDB in response to long-term change in the food chain, efforts have been made to increase the quality of data by the generation of data of 20 KFs and including as many analytical data of Bangladeshi foods, generated by the food scientists of Bangladesh and aboard. Nutrient values presented with 3rd bracket, [] would need to be reconfirmed by re-analysis of the foods.
- Further revision should include numerous foods of archival database as it was not possible to
 incorporate these into reference database due to lack of reference values to fill up the missing
 nutrients. As the reference values become available at the regional level, especially in the case of
 fish, those foods should be incorporated into the user database.

- Only selected mixed recipes were included in the current FCT due to time constraints. The future
 edition of the database should include traditional and frequently consumed recipes. Therefore, it is
 necessary to develop a list of all their ingredients, cooking methods, yield factors for the majority of
 foods and nutrient retention factors. Weights, measures and serving sizes also need to be
 standardized as part of the recipe calculations and analysis.
- Since the FCDB has been constructed with rigorous and meticulous analytical and compilation methodology, its wide dissemination should be undertaken. Biodiversity and varietal species of foods other than rice could not be considered in the current due limited funding resources and lack of available data. Future funding should be directed toward adequate generation of food composition data that capture elements of biodiversity and variety. At the same time, adequate training should be made available for food scientists and analysts to generate and manage food composition data according to INFOODS Guidelines. E-learning tools as available from FAO should be widely disseminated for use.

Cereals and their products

Seeds or grains from cereals such as rice, maize, wheat, barley, and sorghum are the main sources for human nutrition throughout the world. Cereals are grown for their seeds that are rich in carbohydrate.

Rice is the staple food for Bangladesh as well as for many other Asian countries. Rice (currently at 416.01 g/capita/day) is not only the main source of carbohydrate, it is also one of the main source of protein considering the large amounts in which it is consumed by the majority of the population.

Wheat is the most important cereal after rice and is often grown on the same land, especially in the northern highlands of Bangladesh, after the winter harvest of rice when the weather is cooler and drier. Requirement projections of wheat and wheat products indicate an increasing trend in the near future.

Maize and millets are also grown in Bangladesh. Currently, Cheena (Proso millet) is widely grown as a cash crop in *char* areas (river islands).

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
01_0001 SD or min- max	Barley, whole-grain, raw	Jaab, gota	1.00	(324) 1360	11.7 10.9-12.5 2	10.9 10.7-12.5 2	2.2	56.4	17.3	1.5 1.2-1.9 2
01_0034	Biscuit, sweet*	Misti biscuit	1.00	(344) 1450	24.3	2.8	10.0	56.7	2.4	0.8
01_0002 SD or min- max	Bread, bun/roll	Bonruti, bun/roll	1.00	(270) 1140	33.0	8.8	2.8	50.9	2.8	1.7
01_0003 SD or min- max	Bread, white, for toasting	Pawruti	1.00	(272) 1150	30.4	+ & ←	1.4	55.6	2.5	2.1
01_0004 SD or min- max	Maize/corn flour, whole, white	Bhutta, atta	1.00	(355) 1500	10.9	6.9	3.9	9.69	7.3	1.5
01_0005 SD or min- max	Maize/corn, yellow, dried, raw	Bhutta, shukna	1.00	(344) 1450	13.1 1.8 9	9.9	3.4 0.3	64.7	7.3	1.6
01_0006 SD or min- max	Millet, Foxtail, raw	Kaon	1.00	(344) 1450	11.8	10.4	4.3	61.7	8.5	3.3
01_0007 SD or min- max	Millet, Proso, whole-grain, raw	Cheena, gota-dana	1.00	(341) 1440	12.5 11.9-13.1 2	11.2 10.8-11.7 2	4.2	60.3	8.5	3.3
01_0008 SD or min- max	Pear millet, whole-grain, raw	Bajra, gota-dana	1.00	(349) 1470	12.4	10.1	5.0	61.4	8.8	2.3
01_0035	Plain Khichuri*	Khichuri	1.00	(163) 683	65.7	5.1	7.4	17.7	2.5	1.6
01_0036	Plain pulao*	Plain pulao	1.00	(128) 539	2.69	2.2	2.3	24.1	1.1	9.0
01_0009 SD or min- max	Popcorn, maize (salt added)	Popcorn, Bhutta	1.00	(328) 1380	13.7 13.6-13.9 2	10 9.5-10.4 2	3.1 3-3.1 2	58.6	12.9	1.6 1.2-2.1 2
01_0010 SD or min- max	Rice flaked	Chira	1.00	(356) 1510	9.9 8.5-12.2 2	6.5 6.3-7.4 2	1.1 1.1-1.1 2	79.2	1.3	1 5
01_0011 SD or min- max	Rice flakes, white grain, water- soaked	Chira, veja	1.00	(105) 444	73.2	2.0	0.3	23.0	[0.9]	0.6
01_0012 SD or min- max	Rice, BR-28, parboiled, milled, raw	Chal, BR-28, majhari dana, siddha, kolechata	1.00	(344) 1454	12.4	1 1	1 0.4	76.8	3.4	0.5

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
01_0001	Barley, whole-grain, raw	56	5.5	133	264	452	4	2.77	0.50
SD or min- max n		Н	3-7.9 2	н	17	1	н	Н	1
01_0034	Biscuit, sweet*	83	2.1	32	131	116	83	0.87	0.13
01_0002	Bread, bun/roll	26	1.0	22	96	133	501	0.73	0.13
SU or min- max n		Н	Н	н	17	1	н	Н	1
01_0003	Bread, white, for toasting	119	2.2	26	103	131	292	0.68	0.14
SD of min- max		1	1	1	1	1	н	1	1
01_0004 SD or min- max	Maize/corn flour, whole, white	7	2.4	93	272	315	D.	1.73	0.23
u		1	1	1	1	1	1	1	1
01_0005	Maize/corn, yellow, dried, raw	12	2.9	143	329	248	14	3.27	0.43
SD or min- max n		7 5	1.3-4.4	20 6	25 6	н	н	0.81 3	П
01_0006	Millet, Foxtail, raw	32	2.8	81	290	250	7	1.50	1.4
D OI IIIII IIIAX		₽	1	1	Н	1	т	₽	Н
01_0007 SD or min- max	Millet, Proso, whole-grain, raw	14	5.0	114	285	195	D.	2.3	0.75
L		1	1	1	1	1	1	1	1
01_0008 SD or min- max	Pear millet, whole-grain, raw	42	[8.0]	137	296	307	11	3.1	1.06
L		1	1	П	1	1	1	П	Н
01_0035	Plain Khichuri*	13	1.1	19	54	92	410	0.69	0.12
01_0036	Plain pulao*	9	0	16	39	27	167	0.34	0.05
01_0009	Popcorn, maize (salt added)	10	2.8	135	349	294	785	3.7	0.23
		1	1	1	1	1	1	1	1
$01_{-}0010$	Rice flaked	25	8.9	47	130	150	2	1.36	0.37
SD or min- max n		11 3	н	₽	Ħ	Н	ᆏ	Н	П
01_0011	Rice flakes, white grain, water- soaked	∞	[2]	14	39	45	Н	0.4	0.11
SD or min- max n		₽	н	Н	Ħ	П	н	н	н
01_0012	Rice, BR-28, parboiled, milled, raw	6	0.7	43	126	146	2	1.32	0.20
SD or min- max n		1	1	1	1	1	1	1	1

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
10001	Berley whole-grain raw	-	c	(B)	c	00 0	0.47	0.50	(6III)	218	37	c
SD or min- max	Dailey, Wilole-glain, law	4	0	9	0	9	1 .0	0.40	0.	0.3F0	5	o
, L			П		1	1	Н	1		1	П	1
01_0034	Biscuit, sweet*	0	0	0	0	0.93	0.05	0.03	[1.0]	0.049	7	0
01_0002	Bread, bun/roll	0	0		0	0.5	0.15	0.05	2.9	0.053	29	0
SD or min- max n			Н		н	₽	Н	₽		₽	1	Н
01_0003	Bread, white, for toasting	0	0	0	0	[0.24]	0.21	0.34	[3.9]	0.063	30	0
SD or min- max n			н		н	₽	₽	₽	Н	н	н	н
01_0004	Maize/corn flour, whole, white	0	0	0	0	[0.42]	0.25	0.08	2.6	0.37	25	0
SD or min- max n			1		1	1	1	Н		Н	Т	1
01_0005	Maize/corn, yellow, dried, raw	11	0	129	0	[0.49]	0.39	0.11	2.00	0.622	20	0
SD or min- max n			1		н	1	0.36-0.42	1	1		1	ц
01_0006	Millet, Foxtail, raw	വ	0	[09]	0	[0.05]	0.59	0.11	[3.2]	0.384	82	0
SD or min- max n			Н		1	Н	Н	Н	Н	Н	Н	ħ
01_0007	Millet, Proso, whole-grain, raw	0	0	0	0	[0.05]	0.42	0.29	6.7	0.384	82	0
SD or min- max n			∺	ᆏ	н	₽	₽	₽		н	н	н
01 0008	Pear millet whole-grain raw	c	c	c	c	[0.05]	0.33	0.16	[2 3]	0.384	2	c
SD or min- max	במו וווווכן אווסוכ-פומווי, ומא	Þ)	Þ)	5	9	2	5.	5	3	o
n 2000	***************************************	ć	5	5	T 0	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 0	1 0	- 5 - 5	1	- ₹	τ c
01_0035	Plain Knichur*	74	7.7	[77]	U.T	[0.13]	0.08	0.02	[0.3]	0.041	4	0.7
$01_{-}0036$	Plain pulao*	0	0	0	0	[0.10]	0.01	0.01	[0.3]	0.004	2	0.1
01_0009	Popcorn, maize (salt added)	7	0	80	0	[0.20]	60.0	0.07	1.5	0.140	28	0
SU or min- max			Н		н	Н	1	₽		н	н	П
01_0010	Rice flaked	0	0	0	0		0.21	0.05	[4.0]			0
SD or min- max							0.05-0.21	0.5-0.5				
п			П		П		2	2	1			1
01_0011	Rice flakes, white grain, water-soaked	0	0	0	0		90.0	0.01	[1.2]			0
SD or min- max			н		F		+	-				€1
01_0012	Rice, BR-28, parboiled, milled, raw	0	0	0	0	[0.11]	0.21	0.05	4.6	0.168	11	0
SD or min- max n			Н		н	Н	Н	₽	Н	₽	Н	Н

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
01_0037	Rice, BR-28, boiled* (without salt)	Bhat, BR-28, bosa bhat	1.00	(109) 464	71.2	2.1	0.1	24.3	1.1	0.2
01_0013	Rice, BR-11, parboiled, milled, raw	Chal, BR-11, siddha, kolechata	1.00	(345) 1460	11.9	7.9	0.3	76.1	3.4	0.4
01_0014	Rice, BR-16, parboiled, milled, raw	Chal, BR-16, siddha, kolechata	1.00	(346) 1470	11.8	6.2	0.3	77.9	3.4	0.5
01_0015	Rice, BR-26, parboiled, milled, raw	Chal, BR-26, siddha, kolechata	1.00	(346) 1470	11.7	8.4	0.4	75.5	3.4	0.6
01_0016	Rice, BR-3, parboiled, milled, raw	Chal, BR-3, siddha, kolechata	1.00	(344) 1460	12.0	7.1	0.2	76.8	3.4	0.5
01_0017	Rice, BRRI Dhan-30, parboiled, milled, raw	Chal, BRRI Dhan-30, siddha, kole chata	1.00	(349) 1480	10.9	6.9	0.3	77.9	3.4	0.6
01_0018	Rice, BRRI Dhan-40, parboiled, milled, raw	Chal, BRRI Dhan-40, siddha, kolechata	1.00	(349) 1480	10.8	7.0	0.3	77.9	3.4	0.6
01_0019 SD or min- max	Rice, bran, raw	Chaler kura	1.00	(398) 1660	6.1 6.1-6.1 2	13.4 13.4-13.4 2	20.9 20.9-20.9 2	28.6	21.0	10 10.0-10.0 2
01_0020 SD or min- max	Rice, brown, parboiled, home- pounded, raw	Chal, siddha, dhekichata	1.00	(348) 1480	12.6	7.6 7.1-8.1 2	2.3	72.4	3.8	1.3
01_0038	Rice, brown, home-pounded, boiled* (without salt)	Bhat, siddha, dhekichata	1.00	(112) 473	72.0	2.4	0.7	23.2	1.2	0.4
01_0021 SD or min- max	Rice, brown, parboiled, milled, raw	Chal, lal, siddha, kolechata	1.00	(350) 1480	12.4 0.2 28	7.8	2.4	72.3	3.8	1.3
01_0039	Rice, brown, parboiled, milled, boiled* (without salt)	Bhat, lal, siddha, kolechata	1.00	(112) 475	71.9	2.5	0.8	23.2	1.2	0.4
01_0022 SD or min- max n	Rice, popped	Khoi	1.00	(380) 1620	3.9	7.1	0.1	87.0	1.4	0.4
01_0023 SD or min- max	Rice, puffed, salted	Muri	1.00	(361) 1540	7.3 5.2-9.4 2	6.7 6-7.4 2	0.1 0.1-0.1 2	82.7	1.4	1.8
01_0024 SD or min- max	Rice, white, sunned, aromatic, raw	Chal, atop, sugondhi, chikon dana, dhekichata	1.00	(343) 1460	12.8 0.9 4	6.7 0.4 3	0.7 0.3 3	76.1	3.1	0.7
01_0040	Rice, white, sunned, aromatic, boiled* (without salt)	Bhat, Sugondhi, bosa bhat	1.00	(110) 467	72.0	2.2	0.2	24.4	1.0	0.2

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
01_0037	Rice, BR-28, boiled* (without salt)	9	0.3	16	39	39	т	0.41	0.07
01_0013	Rice, BR-11, parboiled, milled, raw	ਜ ਜ	0.7	43	127	146	7 -	1.32	0.20
01_0014	Rice, BR-16, parboiled, milled, raw	. 0	0.7	- 43	127	147	. 0	1.33	0.20
01_0015	Rice, BR-26, parboiled, milled, raw	- 77	0.7	¹ 43 -	127	147	- 12	1.33	0.20
01_0016 n	Rice, BR-3, parboiled, milled, raw	. 2 1	0.7	43	126	146	1 0 4	1.32	0.20
01_0017	Rice, BRRI Dhan-30, parboiled, milled, raw	2 -	0.7	44	128	148	2 -	1.34	0.20
01_0018	Rice, BRRI Dhan-40, parboiled, milled, raw	0 -	0.7	44 -	128	148	. 2 -	1.34	0.20
01_0019 SD or min- max	Rice, bran, raw	. 50 . 50	18.5 18.5-18.5 2	994 212 5	1379 330 6	1155 298 6	5.0-5.0 2.2	6.04	0.73
01_0020 SD or min- max	Rice, brown, parboiled, home- pounded, raw	10	2.8	52	246	202	. ro. □	1.90	0.36
01_0038	Rice, brown, home-pounded, boiled* (without salt)	9	1.0	18	75	52	4	0.58	0.12
01_0021 SD or min- max	Rice, brown, parboiled, milled, raw	12	1.0	52	255	326	დ -	1.90	0.36
01_0039	Rice, brown, parboiled, milled, boiled* (without salt)	7	0.4	18	78	84	4 4	0.58	0.12
01_0022 SD or min- max	Rice, popped	10	0.7	47	138	160	- ي	0.87	0.21
01_0023 SD or min- max	Rice, puffed, salted	1 0 1	0.7	45	$\frac{133}{1}$	154	650	0.84	0.2
01_0024 SD or min- max	Rice, white, sunned, aromatic, raw	10 10.0-10.0 2	0.0	43	126	113	Ω ∓	1.09	0.14
01_0040	Rice, white, sunned, aromatic, boiled* (without salt)	9	0.4	15	38	20	ო	0.33	0.04

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
01_0037	Rice, BR-28, boiled* (without salt)	0	0	0	0	[0.04]	0.03	0.01	1.1	0.028	ю	0
01_0013	Rice, BR-11, parboiled, milled, raw	0	0	0	0	[0.07]	90.0	0.04	[0.8]	0.169	11	0
L	: .		1	1	1	1	П	1	1	1	Н	1
01_0014	Rice, BR-16, parboiled, milled, raw	0	0	0	0	[0.08]	0.10	0.03	[1.8]	0.148	11	0
L			1	1	1	1	1	1	1	1	1	1
01_0015	Rice, BR-26, parboiled, milled, raw	0	0 1	0 1	0 1	[0.11]	0.09	0.03	[1.7]	0.171	11	0 1
01_0016	Rice, BR-3, parboiled, milled, raw	0	0	0	0	[0.04]		0.02	[0.6]	0.169	11	0
c			1	П	1	П		П	4	1	П	1
01_0017	Rice, BRRI Dhan-30, parboiled, milled, raw	0	0	0	0	[0.08]	0.11	90.0	[1.8]	0.169	11	0
c			1	1	1	Т	1	1	1	Т	1	1
01_0018	Rice, BKKI Dnan-40, parboiled, milled, raw	0	0 -	0 -	0 -	[0.08]	0.09	0.06	[1.2]	0.172	11	0 -
01_0019	Rice, bran, raw	0	- 0	0 0	0 -	[4.92]	2.26	0.22	41.8	4.07	63	- 0
SD or min- max n			1		1	Н	0.49 6	0.07 6		П	П	0-0
01_0020	Rice, brown, parboiled, home-pounded, raw	0	0		0	0.68	0.27	0.07	[2]	0.62	49	0
SD or min- max n			т			Н	1	1	Н		П	н
01_0038	Rice, brown, home-pounded, boiled* (without salt)	0	0	0	0	0.22	0.04	0.02	1.6	0.10	11	0
01_0021	Rice, brown, parboiled, milled, raw	0	0	0	0	0.68	0.27	0.07	8.9	0.62	49	0
SD or min- max n			Н		н	Н	н	П		1	н	ħ
01_0039	Rice, brown, parboiled, milled, boiled* (without salt)	0	0	0	0	0.22	0.04	0.02	1.6	0.10	11	0
01_0022	Rice, popped	0	0	0	0	[0.10]	0.21	0.27	[3.5]	0	12	0
- C			П		1		17	П	Н	П	1	П
01_0023 SD or min- max	Rice, puffed, salted	0	0	0	0	[0.10]	0.21 0.21-0.21	0.12	[3.5]		12	0
u			1		1	1	2	2	1		1	1
01_0024	Rice, white, sunned, aromatic, raw	0	0	0	0	[0.11]	90.0	0.04	2.4		6	0
SD or min- max n			0-0		П	н	П	0.02-0.06	₽		н	ц
01_0040	Rice, white, sunned, aromatic, boiled* (without salt)	0	0	0	0	[0.04]	0.01	0.01	9.0		2	0

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
01_0025	Rice, white, sunned, polished, milled, raw	Chal, atop, HYV, kolechata, raw	1.00	(345) 1460	12.2	9.9	0.3	77.4	3.1	0.4
SD or min- max n					0.5	9.5	0.1		н	0.1
01_0041	Rice, white, sunned, polished, milled, boiled* (without salt)	Bhat, Atop, bosa bhat	1.00	(111) 469	71.9	2.1	0.1	24.8	1.0	0.1
01_0042	Ruti*	Ruti	1.00	(246) 1040	37.3	7.5	1.2	49.7	3.1	1.1
01_0026 SD or min- max	Semolina, wheat, raw	Sooji, gom	1.00	(346) 1470	12.8 1.2 3	10.9 1.7 3	1.4 0.4 3	70.6	3.9	0.5
01_0027 SD or min- max n	Sorghum, raw	Jowar	1.00	(350) 1480	11.9 11.9-12 2	10.1 9.8-10.4 2	3.3	6.9	6.3	1.5 1.3-1.6 2
01_0028 SD or min- max	Sweet corn, yellow, on the cob, raw	Bhutta, kancha	0.47	(147) 621	62.9 17.1 3	3.5 1.4 3	1.4 1-1.8 2	28.7	2.8	0.8
01_0029 SD or min- max	Vermicelli, wheat, raw	Semai	1.00	(347) 1470	11.7	8.9 7.9-9.9 2	0.6	74.9	3.2	0.7
01_0043	Vermicelli, boiled* (without salt)	Semai siddha	1.00	(151) 640	9.19	3.9	0.3	32.6	1.4	0.3
01_0030	Wheat flour, brown, whole grain, raw	Ata, sada	1.00	(334) 1410	12.3	11.3	2.1	62.2	10.7	1.5
- C					2	1	т		1	1
01_0031 SD or min- max	Wheat, flour, white	Ata, sada, packet	1.00	(347) 1470	12.2	10.6	1.6	70.3	4.4	0.8
01_0032 SD or min- max	Wheat flour, white, refined	Maida	1.00	(346) 1470	12.8 0.8 3	9.8 9.5-10 2	1.0	73.1	2.7	0.6
01_0033 SD or min- max	Wheat, whole, raw	Gom	1.00	(344) 1450	10.0 1.5 15	11.2 0.8 18	2.9 0.7	62.0	12.2	1.6 0.3 18

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
01_0025	Rice, white, sunned, polished, milled, raw	2	6:0	43	126	109	ιΩ	1.09	0.14
SD or min- max n		4 ~	0.9-0.9	43-43	н	109-109 2	н	н	н
01_0041	Rice, white, sunned, polished, milled, boiled* (without salt)	Ŋ	0.4	15	38	19	4	0.33	0.04
01_0042	Ruti*	11	2.7	42	66	149	231	1.10	0.13
01_0026	Semolina, wheat, raw	17	1.1	40	105	158	വ	2.18	0.25
SD or min- max n		н 4	0.4	30-47	34	36	9 ဧ	1.05-3.3	0.14
01_0027	Sorghum, raw	25	5.8	290	222	350	9	1.6	0.46
SD or min- max n		н	Ħ	н	₽	Н	1	П	П
01_0028	Sweet corn, yellow, on the cob,	വ	0.7	30	112	228	2	0.8	0.13
SD or min- max n		4 κ	0.4	21-39	53-170 2	150-306	1-3	0.2-1.4	0.02-0.24
01_0029	Vermicelli, wheat, raw	22	2.0	42	92	140	8	1.38	0.29
SD or min- max n		22-22 2	2-2 2	Н	Н	П	1	Н	П
01_0043	Vermicelli, boiled* (without salt)	11	6:0	19	38	49	4	0.57	0.13
01_0030	Wheat flour, brown, whole grain, raw	52	4.9	151	306	284	16	3.02	0.53
SD or min- max n		2 ~	₽	н	H	н	т	н	н
01_0031	Wheat, flour, white	13	3.8	28	140	210	10	1.55	0.19
SD or min- max n		Н	1	Н	Н	Н	1	Н	Н
01_0032	Wheat flour, white, refined	13	2.7	58	140	210	10	1.55	0.19
SD or min- max n		1	1	1	1	1	1	1	1
01_0033	Wheat, whole, raw	41	4.9	142	316	293	18	2.79	0.70
SD or min- max		1	1	1	1	1	1	1	1

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
01_0025	Rice, white, sunned, polished, milled, raw	0	0	0	0	0.10	0.09	0.03	2.50		9	0
SD or min- max n			Н		н	н	0.02	0.01			11	н
01_0041	Rice, white, sunned, polished, milled, boiled* (without salt)	0	0	0	0	0.03	0.01	0.005	09:0		Н	0
01_0042	Ruti*	0	0	0	0	[0:30]	0.07	0.04	[1.3]	0.063	7	0
01_0026	Semolina, wheat, raw	0	0	0	0	0.1	0.18	0.05	4.0	0.085	22	0
SD or min- max n			0-0	1	0 %	Н	0.08	0.02		н	42-72 2	0-0
01_0027	Sorghum, raw	0	0		0	1.1	0.21	0.13	[2.9]	0.25	20	0
SD or min- max n			Н		11	Н	0.05-0.37	1	1	н	₽	Н
01_0028	Sweet corn, yellow, on the	4	0	25	0	9.0	0.12	0.09	1.8	0.16	29	5.9
SD or min- max n			0-0	47-56 2	0-0	0.4-0.8	0.03	0.07		ᆏ	24-33	0.9
01_0029	Vermicelli, wheat, raw	0	0	0	0	[0.11]	0.19	0.05	3.4	0.142	18	0
SD or min- max n			П		н	1	0.19-0.19 2	0.05-0.05		1	П	1
01_0043	Vermicelli, boiled* (without salt)	0	0	0	0	[0.05]	0.04	0.02	1.1	0.031	2	0
01_0030	Wheat flour, brown, whole grain, raw	0	0	വ	0	[0.72]	0.49	0.17	6.2	0.407	59	0
SD or min- max n			Н		н	₽	0.49-0.49	н		н	1	∺
01_0031	Wheat, flour, white	0	0	0	0	[0.43]	0.13	0.05	4.0	0.099	20	0
, L			1	Н	1	1	1	Н		Н	1	1
01_0032 SD or min- max n	Wheat flour, white, refined	0	0	0	0 1	[0.06]	0.12 0.12-0.12 2	0.07	4.0	0.044	20	0 1
01_0033	Wheat, whole, raw	0	0	22	0	[1.90]	0.49	0.12	[2.5]	0.300	38	0
20 C			1		1	1	1	1	1	1	1	1

O2 Pulses, legumes and their products

Peas, beans and lentils which grow as seeds inside a pod are collectively known as legumes or pulses. They are grown mainly for their ripe dried seeds but the unripe pods and leaves are also consumed as vegetables. The seeds contain approximately two to three times more protein than most cereals and the quality of protein is different from that of cereals. The protein of pulses is of low quality since they are deficient in methionine. However, they are rich in lysine. Hence they supplement proteins of cereals, and the quality of protein from a mixture of cereals and pulses is superior to that of the either one. The most effective combination to achieve maximum supplementary effects is 4 parts of cereal protein to 1 part of pulse protein. In terms of the grains, it will be 8 parts of cereals and 1 part of pulses.

Soybean is a source of high biological value protein containing 40% protein. Soybean and red kidney bean contain an *antitrypsin factor* which interferes with the utilization of soy protein in the small intestine. Some beans also contain anti-nutrients like *lectins* and *haemagluttinins*. However, all these toxins are destroyed by heating during cooking.

Pulses, especially lentils are good sources of B complex vitamins and dietary fiber. Lentil like *Masur daal* is most widely consumed in Bangladesh and regarded as one of the most common protein sources of rural population.

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
02_0001 SD or min- max	Bengal gram, dehulled, split, dried, raw	Cholar dal, vanga	1.00	(375) 1580	10.5	20.2	6.0	59.2	[1.2] 1.2-1.2 2	2.8
02_0002 SD or min- max	Bengal gram, whole, dried, raw	Chola, shukna	1.00	(350) 1470	8.9 1.9 6	3.8	6.0	44.8	17.4	2.6
02_0012	Bengal gram, whole, boiled* (without salt)	Chola siddha, lobon chara	1.00	(182) 766	52.5	10.6	3.1	23.3	9.1	1.3
02_0003 SD or min- max	Black gram, dehulled, dried, raw	Mashkalai dal, asto	1.00	(317) 1340	11.3 10.9-11.7 2	22.3	1.7 1.4-2 2	45.1	16.3	3.3 3.2-3.5 2
02_0004 SD or min- max	Black gram, split, dried, raw	Maskalai dal, vanga	1.00	(350) 1490	10.5 1.8 6	22.6 4.5 4	1.2 0.5 3	61.8	[0.9]	3.0
02_0005 SD or min- max	Green gram, split, dried, raw	Mung dal, vanga	1.00	(351) 1490	9.8	23.7 4.0 5	1.2	60.9	[0.7] 0.1 3	3.7
02_0013	Green gram, split, boiled* (without salt)	Mung dal siddha, lobon chara	1.00	(161) 685	58.5	10.9	0.5	28.1	[0.3]	1.7
02_0006 SD or min- max	Green gram, whole, dried, raw	Mungkalai	1.00	(318) 1340	10.4	23.7 23.5-24 2	1.3 1.2-1.3 2	44.8	16.3	3.5
02_0007 SD or min- max	Grass pea, split, dried, raw	Khesari dal, vanga	1.00	(352) 1490	9.4 1.8 8	28.4 5.6 6	0.9	56.5	[2.2] 0.2 4	2.6 0.4 3
02_0014	Grass pea, split, boiled* (without salt)	Khesari dal siddha, lobon chara	1.00	(142) 602	63.5	11.4	0.4	22.8	[6.9]	1.0
02_0008 SD or min- max	Lentil, dried, raw	Mosur dal	1.00	(317) 1340	12.2	27.7	0.8	43.2	13.2	2.9
02_0015	Lentil, boiled* (without salt)	Mosur dal siddha, lobon chara	1.00	(155) 657	56.9	13.6	0.4	21.2	6.5	1.4
02_0009 SD or min- max	Pea, dried, raw	Motor	1.00	(327) 1380	11.7 2.4 4	22.1 2.4 3	2.1	48.3	13.0	2.8 2.7-2.8 2
02_0016	Pea, boiled* (without salt)	Motor siddha, lobon chara	1.00	(170) 718	54.0	11.5	1.1	25.2	8.9	1.4
02_0010 SD or min- max	Red gram, split, dried, raw	Arhar dal	1.00	(347) 1470	10.8 3.0 4	22.3	1.5	60.4	[1.5]	3.5
02_0011 SD or min- max	Soybean, dried, raw	Gari kalai/Soyabean	1.00	(424) 1770	9.2 2.5 11	32.9 4.3 12	19.9	23.6	9.3	5.0 5-5.3 2

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
02_0001	Bengal gram, dehulled, split, dried, raw	56	8.8	110	331	725	39	3.34	1.34
SD or min- max n		₽	8.5-9.1 2	н	₽	H	П	3.28-3.4	Т
02_0002	Bengal gram, whole, dried, raw	203	8.8	130	368	716	33	2.68	1.23
SD or min- max n		107 4	3.2	П	344-391 2	655-777 2	н	0.42 3	0.63
02_0012	Bengal gram, whole, boiled* (without salt)	94	4.0	59	172	280	16	1.26	0.45
02_0003	Black gram, dehulled, dried, raw	184	5.9	189	337	1121	33	2.31	1.07
SD or min- max n		89	33	н	Н	961-1282 2	Ħ	н	0.92-1.22 2
02_0004	Black gram, split, dried, raw	53	3.3	142	385	790	35	2.45	1.08
SD or min- max n		51-55 2	1	1	1	1	1	0.34 3	1
02_0005	Green gram, split, dried, raw	69	7.2	147	315	1300	30	2.73	1.66
SD or min- max n		യന	3.3	31		1146-1447 2	28-33 2	0.35	1
02_0013	Green gram, split, boiled* (without salt)	30	2.9	59	131	448	13	1.13	0.54
02_0006	Green gram, whole, dried, raw	137	7.9	189	326	1780	28	2.68	1.17
SD or min- max n		3	0.5	1	1	1	1	1	1
02_0007	Grass pea, split, dried, raw	61	5.3	101	374	813	35	3.38	1.08
SD or min- max n		37	2.2	10 3	₽	₽	33-33 2	0.37	1.05-1.11 2
02_0014	Grass pea, split, boiled* (without salt)	24	1.9	36	136	246	13	1.23	0.31
02_0008	Lentil, dried, raw	23	5.1	72	261	635	37	3.89	0.79
SD or min- max		1	Н	Н	Н	1	П	1	н
02_0015	Lentil, boiled* (without salt)	12	2.2	31	115	234	16	1.72	0.27
02_0009	Pea, dried, raw	75	8.4	102	298	402	21	3.49	1.29
SD or min- max n		1	1	86-118 1	1	1	1	0.51 3	1
02_0016	Pea, boiled* (without salt)	37	2.3	47	140	277	12	1.64	0.47
02_0010	Red gram, split, dried, raw	55	2.7	96	304	1100	29	2.10	1.2
SD or min- max n		н	П	н	1	н	П	1.89-2.31 2	П
02_0011	Soybean, dried, raw	241	11.3	207	691	1530	2	5.7	1.25
SD or min- max n		240-241 2	0.4 3	1	1	1	1	1	1

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
02_0001	Bengal gram, dehulled, split, dried, raw	က	0	40	0	2.88	0.48	0.27	[2.4]	0.535	148	ļ Ė
SD or min- max n			Н		н	н	ᆏ	0.18-0.36 2	Н	ᆏ	н	ᆏ
02_0002	Bengal gram, whole, dried,	ო	0	40	0	2.88	0.3	0.27	4.9	0.535	186	Ė
SD or min- max n			1		н	Н	1	0.02-0.51		н	1	1
02_0012	Bengal gram, whole, boiled* (without salt)	2	0	21	0	1.35	0.10	0.10	1.7	0.195	48	0
02_0003	Black gram, dehulled, dried	2	0	24	0	1.9	0.42	0.26	5.9	0.280	140	Ļ
SD or min- max n			Н		н	Ħ	ᆏ	0.15-0.37		ᆏ	Ħ	Ħ
02_0004	Black gram, split, dried, raw	2	0	56	0	1.9	0.42	0.18	[2]	0.280	132	Ë
SD or min- max n			1		1	1	Н	Н	Н	1	1	П
02_0005	Green gram, split, dried, raw	က	0	39	0	1.9	0.36	0.14	9.9	0.5	140	Ë
SD or min- max n			П		1	П	н	0.02		н	1	ਜ
02_0013	Green gram, split, boiled* (without salt)	П	0	18	0	8.0	0.11	0.05	2.0	0.2	32	0
02_0006 SD or min- max	Green gram, whole, dried, raw	ო	0	39	0	1.9	0.47	0.39	9.9	0.5	140	Ë
C C			1		1	1	1	1		1	1	1
02_0007 SD or min- max	Grass pea, split, dried, raw	Ŋ	0	[09]	0	0.5	0.37	0.21	[5.9]	0.348	207	Ë
) 			н	Н	17	П	e .) (Н	н	1	1
02_0014	Grass pea, split, boiled* (without salt)	2	0	[24]	0	0.2	0.10	90.0	[0.8]	0.098	42	0
02_0008	Lentil, dried, raw	ю	0	34	0	[0.37]	0.77	0.13	6.3	0.336	36	0
SD or min- max n			1		1	1	Н	1		1	П	1
02_0015	Lentil, boiled* (without salt)	н	0	17	0	[0.16]	0.24	0.05	2.0	0.115	6	0
02_0009	Pea, dried, raw	က	0	39	0	1.04	0.47	0.13	5.5	0.075	33	Ė
SD or min- max n			1		1	1	1	1		1	1	1
02_0016	Pea, boiled* (without salt)	2	0	20	0	0.49	0.16	0.05	1.9	0.027	6	0
02_0010	Red gram, split, dried, raw	က	0	30	0	0.83	0.45	0.19	[5.9]	0.283	103	Ė
SD or min- max			Н		1	1	1	1	1	1	1	1
02_0011	Soybean, dried, raw	⊣	0	13	0	2.9	0.73	0.50	7.9	0.417	100	Ë
			1		1	1	1	1		1	1	1

O3 Vegetables and their products

Plants or parts of plants including leaves, stems, roots, flowers and even fruits are regarded as vegetables. Most vegetables are cooked before they are eaten; those that are not eaten cooked are generally referred to as 'salad vegetables'. However, the distinction is far from hard and fast because in many cases 'salad vegetables' may be cooked. Some vegetables are more-or-less inedible until they are cooked. Cooking softens them by dissolving pectins and hemicelluloses and gelatinizing starch.

Vegetables constitute such a diverse group that it is difficult to generalize about their nutrient content. However, vegetables are generally a good source of vitamins and minerals und usually provide only a little energy and very little protein. Vegetables provide about half of the vitamin C (especially when eaten fresh, uncooked, frozen or mildly cooked), 15-20% of vitamin A, thiamine, niacin and iron in the average Bangladeshi diet.

Apart from leafy vegetables, peas are popular green vegetables. Different types of peas and beans are available in Bangladesh and they are usually cooked and eaten whole before their pods become mature. Tomato, cucumber, eggplant, bottle gourd and amaranth are among the vegetables that are available throughout the year.

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
03_0001 SD or min- max	Amaranth, stem, raw	Data	0.73	(21) 91	92.3 92.2-92.5 2	0.0	0.1	3.7	[1.2] 1-1.2 2	1.8
03_0002 SD or min- max	Bean, scarlet runner, raw	Shim	0.59	(54) 228	85.0 80.1-89.9 2	3.9	0.1	8.3	2.0	0.7
03_0003 SD or min- max	Bean, seeds and pods, raw	Shim	0.91	(29) 122	90.0	2.4	0.1	2.5	£.3	0.6
03_0004 SD or min- max	Beet root, red, raw	Beet	0.85	(46) 194	85.8	2.0 1.96-2.0 2	0.1 0.1-0.1 2	7.9	2.8	1.4
03_0005 SD or min- max	Brinjal, purple, long, raw	Begun, kalo, lomba	0.94	(24) 100	91.4	1.9	0.1	2.0	1.1	0.7
03_0033	Brinjal, purple, long, boiled* (without salt)	Begun siddha, lobon chara	1.00	(26) 109	90.6	2.1	0.1	2.1	4.4	0.7
03_0006 SD or min- max	Broad beans, raw	Makhon shim	0.88	(50) 209	85.4	1.5	0.6	4.5	4.2	0.8
03_0007 SD or min- max	Cabbage, raw	Badhakopi	0.88	(24) 101	92.7 1.3 8	1.5	0.3	2.6	2.5	0.4 0.1 3
03_0034	Cabbage, boiled* (without salt)	Badhakopi siddha, lobon chara	1.00	(27) 115	91.7	1.7	9.0	2.9	2.8	0.5
03_0008 SD or min- max	Carrot, raw	Gajor	0.83	(34) 147	89.7 0.3 4	0.9	0.3	0.9	2.6	0.6
03_0035	Carrot, boiled* (without salt)	Gajor siddha, Iobon chara	1.00	(43)181	87.3	1.1	0.3	7.3	3.1	0.7
03_0009 SD or min- max	Cauliflower, raw	Fulkopi	0.45	(27) 113	91.8 1.4 8	2.6 2.6-2.6 2	0.3 0.1-0.4 2	2.5	2.0	0.8
9800_80	Cauliflower, boiled* (without salt)	Fulkopi siddha, lobon chara	1.00	(28) 119	91.4	2.7	0.3	2.7	2.1	8.0
03_0010 SD or min- max	Chilli, green, with seeds, raw	Kancha morich	0.91	(45) 189	85.5 1.0 4	2.8	0.1 0.1-0.1 2	9. 9.	4.7	1.0 0.0 4
03_0011 SD or min- max n	Cowpea, pods and seeds, raw	Borboti	0.90	(39) 160	87.0	3.0 3.0-3.0 2	0.4	2.8	6.0	0.8
03_0037	Cowpea, boiled* (without salt)	Borboti siddha, lobon chara	1.00	(40) 167	86.5	3.1	0.4	3.0	6.3	8.0
03_0012 SD or min- max	Cucumber, peeled, raw	Shosa	0.83	(17) 72	95.1 0.8	0.8	0.1	2.9	0.7	0.4
c					ю	П	2		1	₽

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
03_0001	Amaranth, stem, raw	114	1.8		30			0.52	
ח וווודי ווומא		н	1		т			1	
03_0002	Bean, scarlet runner, raw	44	1.1	25	34	220	Ļ	0.48	0.02
SU or min- max		п	Т	1	1	1	1	1	1
03_0003	Bean, seeds and pods, raw	70	6.0	51	49	170	10	0.37	09.0
SD or min- max n		1	П	п	11	н	H	П	П
03_0004	Beet root, red, raw	15	1.0	23	40	325	78	0.35	0.08
SD or min- max n		15-15 2	1.0-1.0	п	н	п	н	н	н
03_0005	Brinjal, purple, long, raw	21	0.4	24	47	178	80	0.57	0.68
SD or min- max n		1	1	1	Н	1	1	П	П
03_0033	Brinjal, purple, long, boiled* (without salt)	24	0.4	21	47	132	ω	0.52	0.63
03_0006	Broad beans, raw	20	1.4	38	95	250	20	0.58	0.07
ם מווודי ווומא		Н	Н	П	1	1	1	1	1
03_0007	Cabbage, raw	30	0.5	15	30	170	8	0.40	0.02
SD or min- max n		2 4	0.3	3	Ħ	п	П	0.28 3	0.02-0.03 2
03_0034	Cabbage, boiled* (without salt)	35	0.5	12	31	26	6	0.34	0.03
8000 8	Carrot, raw	26	0.4	16	35	145	54	0.07	0.23
SD or min- max n		25-26 2	3	ню	1	15 3	4 κ	0.02 3	0.01 3
03_0035	Carrot, boiled* (without salt)	34	0.5	14	39	81	40	0.07	0.26
03_0009	Cauliflower, raw	33	8.0	22	44	299	20	0.41	0.03
SD or min- max n		0 4	н	н	H	1	Н	0.24-0.58 2	Н
03_0036	Cauliflower, boiled* (without salt)	36	0.8	20	42	214	18	0.37	0.02
03_0010	Chilli, green, with seeds, raw	22	1.6	43	30	282	12	1.97	0.87
SD or min- max n		ң რ	0.0	3 2	Н	3	2 8	0.08	0.07
03_0011	Cowpea, pods and seeds, raw	54	0.5	51	53	431	23	1.01	0.13
S C C		1	н	П	1	1	П	1	1
03_0037	Cowpea, boiled* (without salt)	54	0.5	43	20	306	20	06.0	0.12
03_0012	Cucumber, peeled, raw	13	9.0	12	17	105	2	0.17	0.05
SD or min- max n		ο ε	н	П	н	П	1	н	н

				Beta-carotene				:	Niacin			
Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
03_0001	Amaranth, stem, raw	26	0	[306]	0		0.01	0.18				35.8
SD or min- max			Н	Н	П		₽	Н				10.0-61.6 2
03_0002 SD or min- max	Bean, scarlet runner, raw	32	0	384	0	90.0	0.05	0.01	È	0.080	09	8.93
L			1		1	1	1	1	1	1	1	က
03_0003 SD or min- max	Bean, seeds and pods, raw	19	0	227	0 ,	[0.51]	0.08	0.09	[0.5]	0.063	62	9.6
c					-1		-	7	-		-	_
03_0004 SD or min- max	Beet root, red, raw	Н	0 ,	7	0 ,	[0.08]	0.03	0.06	0.4	0.067	109	14.5 14.0-15.0
_							7	7		-	-1	7
03_0005 SD or min- max	Brinjal, purple, long, raw	4	0 -	45	0 -	[0.10]	0.03	0.07	6.0	0.079	34	1.3
	Brinjal, purple, long, boiled*	~	4 C	7.7	4 C			, 0	7	000	, 5	, ,
03_0033	(without salt)	4	>	/4	-	[0.11]	0.02	0.00	0.0	0.000	ο,	T.0
03_0006 SD or min- max	Broad beans, raw	ω	0	102	0	0.28	0.08	0.11	2.4	0.038	96	0.6
С			1		1	Ţ	1	7		1	1	1
03_0007 SD or min- max n	Cabbage, raw	വ	0.0 %	26	0 1	0.20	0.00	0.05	9.0	0.156	43	16.1 11.62 8
03_0034	Cabbage, boiled* (without salt)	2	0	09	0	0.23	0.04	0.04	0.4	0.115	24	7.3
03_0008 SD or min- max	Carrot, raw	329	1 0	6280	0 1	[0.55]	0.04	0.00	1.1	0.133	15	1.4 0.16 3
03_0035	Carrot, boiled* (without salt)	364	0	0969	0	[0.68]	0.04	0.07	1.0	0.115	6	0.7
03_0009 SD or min- max	Cauliflower, raw	П	0 1	ω	0 1	0.22	0.03	0.03	1.1	0.184	57	72.7 35.86 6
03_0036	Cauliflower, boiled* (without salt)	Н	0	∞	0	0.22	0.02	0.02	0.7	0.135	32	46.6
03_0010 SD or min- max	Chilli, green, with seeds, raw	10	0 1	[115]	0	[0.29]	0.03	0.00	1.3	0.230	10	102.3 3.30 3
03_0011 SD or min- max n	Cowpea, pods and seeds, raw	ω	0 1	[101]	0 1		0.14 0.14-0.14 2	0.03 0.03-0.03 2	2.0	0.067	168	ቷ ⊓
03_0037	Cowpea, boiled* (without salt)	∞	0	[101]	0		0.10	0.02	1.4	0.049	92	Ė
03_0012 SD or min- max	Cucumber, peeled, raw	4	0	44	0	0.07	0.16	0.02	0.3	0.051	14	7.2
c			н		н	H	2	2		П	П	က

epoo	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
03_0013 SD or min- max	Drumstick, pods, raw	Sajna data	0.63	(43) 181	85.2 83.3-87.0 2	2.9 2.5-3.2 2	0.2	5.1	4.8	1.9
03_0014 SD or min- max	Garlic, raw	Rosun	0.84	(147) 623	61.6 2.9 3	6.9 0.9	0.6 0.5-0.6 2	27.6	2.1	1.3 1-1.5 2
03_0015 SD or min- max	Gourd, ash, raw	Chalkumra	0.67	(10) 41	96.5	0.4	0.1	1.0	1.7	0.3
03_0016 SD or min- max	Gourd, bitter, raw	Korola	0.95	(31) 129	90.4 4.5 5	2.1	0.3	3.6	2.6	1.1 0.3 3
03_0047	Gourd, bitter, boiled* (without salt)	Korola siddha, lobon chara	1.00	(35) 147	89.0	2.3	0.4	4.1	3.0	1.2
03_0048 03_0017 SD or min- max	Gourd, bitter, fry* Gourd, bottle, raw	Lau	1.00	(130) 540 (34) 142	74.0 90.8 6.7	3.1 1.1 1-1.1	9.1 0.1 0.1-0.1	7.1	4.1 [0.6]	2.7
03_0018 SD or min- max	Gourd, pointed, raw	Potol	0.95	(24) 102	92.6 92.4-92.9 2	2.0	0.3 0.3	2.2	[2.2] 1.4-3.0 2	0.5 0.5-0.6 2
03_0038	Gourd, pointed, boiled* (without salt)	Potol siddha, lobon chara	1.00	(28) 116	91.6	2.3	0.4	2.5	[2.5]	9.0
03_0019 SD or min- max	Gourd, ridge, raw	Jhinga	0.82	(29) 121	92.4 0.7 3	1.3 0.8-1.8 2	0.4 0.1-0.6	4.6	1.1	0.3
03_0020 SD or min- max	Gourd, snake, raw	Chichinga	0.98	(24) 103	93.4 92-94.6 2	0.5	0.3	4.5	[0.8]	0.5
03_0021 SD or min- max	Gourd, sponge, raw	Dhundul	0.94	(24) 102	92.9 92-93.5 2	0.9 0.9-1 2	0.2	4.3	1.1	0.7
03_0022 SD or min- max	Gourd, teasle, raw	Kakrol	0.85	(61) 259	83.7 4.1 4	1.9 0.4 3	0.5 0.5 3	11.8	1.1	1.1 0.9-1.3 2
03_0039 03_0023 SD or min- max	Gourd, teasle, boiled* (without salt) Okra/ladies finger, raw	Kakrol siddha, lobon chara Dheros	1.00	(69) 294 (39) 164	81.5 87.7 3.9	2.2 2.1 0.5	0.5	13.4	3.1	1.2 1.1 1-1.2
03_0040	Okra/ladies finger, boiled* (without salt)	Dheros siddha, Iobon chara	1.00	(32) 134	0.06	1.7	0.1	4.7	2.5	6.0
03_0046	Lady's finger-tomato bhuna *	Dheros-tomato bhuna	1.00	(127) 526	72.1	3.4	7.4	9.0	2.0	3.1
03_0024 SD or min- max	Onion, raw	Piaj	0.87	(59) 249	83.7	1.4	0.1	12.2	1.9	0.7
_					н	Н	1		1	1

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cn (mg)
03_0013	Drumstick, pods, raw	24	0.2	28	110	259	42	0.16	0.01
SD or min- max n		ന വ	1	1	1	Н	Н	н	т
03_0014	Garlic, raw	25	1.6	25	162	511	11	1.08	0.18
SU of min-max		19-30	o. 6	25-25 2	153-170 2	401-620 2	2 2	1-1.6 2	0.08-0.3
03_0015	Gourd, ash, raw	30	0.8	17	14	139	39	0.10	0.02
		1	1	1	1	Н	Н	П	1
03_0016	Gourd, bitter, raw	16	1.8	31	20	182	36	0.35	0.27
20 C		വ	4.	2	н	1	1	1	1
03_0047	Gourd, bitter, boiled* (without salt)	20	1.8	29	20	141	33	0.34	0.26
03_0048	Gourd, bitter, fry*	27	2.9	48	34	304	469	0.61	0.44
03_0017	Gourd, bottle, raw	26	0.7	11	53	150	39	0.58	0.16
SD or min- max n		26-26 2	0:0 3	н	1	н	н	н	н
03_0018	Gourd, pointed, raw	16	1.7	15	18	148	28	0.40	0.17
SD or min- max		7 4	1.7-1.7	т	н	н	↔	н	τ1
03_0038	Gourd, pointed, boiled* (without salt)	20	1.7	15	18	115	26	0.39	0.17
03_0019	Gourd, ridge, raw	21	1.3	14	32	139	39	0.50	0.23
SD or min- max		യ ന	0.7	₽	-	€	€	0.42-0.58	ŧ
03_0020	Gourd, snake, raw	31	0.4	17	28	155	39	0.32	0.18
SD or min- max		21	0.1	-	-	-	€	0-0.41	, .
03_0021	Gourd, sponge, raw	19	0.6	14	32	139	39	0.50	0.23
		2	2 2	1	н	Н	н	П	1
03_0022 SD or min- max	Gourd, teasle, raw	27 15	2.6	20	26	186	52	0.48	0.10
u		ဗ	2	1	1	П	Н	П	1
03_0039	Gourd, teasle, boiled* (without salt)	31	2.6	19	27	144	46	0.46	0.10
03_0023	Okra/ladies finger, raw	93	6.0	20	28	178	37	0.34	0.08
SD or min- max		40	0.7	,	,	-	-	0.24-0.43	0-1
03_0040	Okra/ladies finger, boiled* (without salt)	72	0.7	13	21	66	24	0.23	90.0
03_0046	Lady's finger-tomato bhuna *	128	1.4	31	50	319	565	0.67	0.53
03_0024	Onion, raw	24	6.0	24	29	210	11	0.41	0.36
SD or min- max n		1	Н	1	1	1	1	1	1

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (ma)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
03 0013	Drumstick, pods, raw	56	0	[311]	0		0.04	0.04	[9.0]	0.120	44	69.9
SD or min- max			Ŧ		,		0.01	0.03	•		,	43.42
7,00	olino O	c	٠ ،	ř	- C	[00 0]	2, 0	, ,	٦ ,	1 ,		0 5
SD or min- max	Gariic, raw	-	>	<u>-</u>	-	[0.08] -	0.13 0.07	0.12 0.10 3	7.4	1.235	4 [%] د	24.1 17.0-31.0
03 0015	Gourd, ash, raw	0	0	m	0	4	0.06	0.01	0,4	0.043	16	31.0
SD or min- max		ı	· -		· -		-	-			¦ -	-
03_0016 SD or min- max	Gourd, bitter, raw	24	0	285	0		0.05	0.03	0.7		45	90.6
c			1		1		ო	က			1	9
03_0047	Gourd, bitter, boiled* (without salt)	26	0	311	0		0.04	0.03	0.5		28	62.8
03_0048	Gourd, bitter, fry*	30	0	[302]	0	[0.31]	0.07	90.0	[9:0]	0.041	45	103.2
03_0017 SD or min- max n	Gourd, bottle, raw	ᆏ	0 1	17	0 1		0.01 0-0.1 2	0.02 0-0.02 2	0.4	0.040	9 1	8.7 9.08 7
03_0018 SD or min- max	Gourd, pointed, raw	ഹ	0 -	[65]	0 -		0.17	0.03	[0.8]	0.04	16	19.4 18.0
03_0038	Gourd, pointed, boiled*	9	0	[02]	1 0		0.13	50.03	[0.6]	0.03	10	13.5
03_0019 SD or min- max	Gourd, ridge, raw	2	0 1	26	0 +	[0.10]	0.11 0.11-0.11 2	0.03	0.5	0.043	7	4.6 4.6
03_0020 SD or min- max	Gourd, snake, raw		0 -		0 -		0.04	0.06	[0.8]	0.04	16	18.8 8-29.92
03_0021 SD or min- max	Gourd, sponge, raw		0 1		0 1	[0.10]	0.03 0-0.03 2	0.01 0-0.1 2	[0.2]	0.043	7 1	6.2
03_0022 SD or min- max	Gourd, teasle, raw	14	0 1	163	0 1	[0.23]	0.08 0.08-0.08 2	0.06 0.06-0.06 2	8.0	0.043	16	142.8 20.56 3
03_0039	Gourd, teasle, boiled* (without salt)	15	0	178	0	[0.26]	90.0	0.05	9.0	0.034	10	0.66
03_0023 SD or min- max	Okra/ladies finger, raw	19	0	227	0	[0.27]	0.04	0.16	1.4	0.215	09	17.5 14.99
c			п		н	П	2	2		Н	₽	4
03_0040	Okra/ladies finger, boiled* (without salt)	15	0	177	0	[0.21]	0.02	0.10	0.8	0.123	56	8.7
03_0046	Lady's finger-tomato bhuna*	56	0	[599]	0	[0.81]	90.0	0.22	[1.5]	0.297	09	24.5
03_0024	Onion, raw	2	0	[23]	0	[0.02]	0.05	0.14	0.3	0.168	19	4.5
u u			1		1	1	1	1		1	1	1

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
03_0025 SD or min- max	Papaya, unripe, raw	Kancha pepe	0.66	(30) 125	90.6 3.3	0.8 0.2 3	0.1 0-1.0 2	5.7	1.5	1.3 1-1.3 2
03_0041	Papaya, unripe, boiled* (without salt)	Kancha pepe siddha, lobon chara	1.00	(32) 134	6.68	0.8	0.1	6.1	1.6	1.4
03_0026 SD or min- max	Peas, raw	Motorshuti	0.53	(91) 384	74.3 67.5-81.0 2	7.0 6.5-7.4 2	0.4	12.5	5.1	0.9 1-1.2 2
03_0027 SD or min- max	Plantain, raw	Kancha kola	0.58	(77) 327	78.9 3.1 12	2.0	0.3	15.5	2.3	1.0
03_0042	Plantain, boiled* (without salt)	Kancha kola siddha, lobon chara	1.00	(76) 320	79.3	1.9	0.3	15.2	2.3	1.0
03_0028 SD or min- max	Pumpkin, raw	Mistikumra	0.79	(18) 77	93.9 93-94.8 2	1.4 1-1.4 2	0.3	1.3	2.4	0.7
03_0043	Pumpkin, boiled* (without salt)	Mistikumra siddha, lobon chara	1.00	(29) 120	90.4	2.2	0.5	2.1	3.8	1.1
03_0029 SD or min- max	Radish, raw	Mula	0.99	(18) 74	94.3 1.0 15	0.9	0.1 0-0.1 2	2.5	1.6	0.0
03_0044	Radish, boiled* (without salt)	Mula siddha, lobon chara	1.00	(24) 99	92.4	1.2	0.1	3.3	2.1	8.0
03_0030 SD or min- max	Tomato, green, raw	Kancha tomato	0.98	(23) 96	93.3 93-93.4 2	1.9 1.9-2 2	0.2	2.5	1.7	0.4
03_0031 SD or min- max n	Tomato, red, ripe, raw	Paka tomato	1.00	(16) 66	95.0	1.1	0.2	1.4	1.7	0.5
03_0045	Tomato, red, ripe, boiled* (without salt)	Paka tomato siddha, lobon chara	1.00	(30) 124	9.06	2.1	0.5	2.7	3.1	1.0
03_0032 SD or min- max	Turnip, raw	Shalgom	0.74	(26) 110	92.1 0.8 4	1.1 0.3 4	0.2 0-0.3 2	4.1	1.8	0.7 0.7-1 2

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
03_0025 SD or min- max	Papaya, unripe, raw	15 3	0.6	56	15	129	7	0.22	0.02
- CO	Papaya, unripe, boiled* (without	e 1	4 0	1 7	τι <u>Έ</u>	- 70	ti 0	2 0	1 0
100	salt)	- ·	2 .	} !	2	t ;	5 1	0.50	70.0
03_0026 SD or min- max	Peas, raw	43 16	1.6 0.8	47 33-61	108	244	വ	1.24	0.18
c		က	ო	2	2	1	1	1	1
03_0027	Plantain, raw	[22]	9.0	28	21	242	4	0.14	0.08
SD or min- max n		11	0.6-1 2	ന ഒ	1 6	42	1	1	1
03_0042	Plantain, boiled* (without salt)	22	9.0	23	18	161	2	0.12	0.07
03_0028	Pumpkin, raw	52	0.7	10	16	349	∞	0.11	0.21
SD or min- max n		n ح	1	н	1	н	Н	н	1
03_0043	Pumpkin, boiled* (without salt)	62	1.1	14	23	371	13	0.14	0.28
03_0029	Radish, raw	24	0.4	15	23	142	40	0.38	0.03
SD or min- max		9	0.1		12	1 12	11	0-0.55	н
03_0044	Radish, boiled* (without salt)	35	0.5	14	28	98	33	0.38	0.04
03_0030	Tomato, green, raw	16	0.3	7	28	156	7	0.19	0.30
SD or min- max n		3 7	Н	н	1	н	₽	н	+
03_0031	Tomato, red, ripe, raw	13	0.2	7	24	156	7	0.41	0.97
SD or min- max n		1	1	1	1	1	1	1	1
03_0045	Tomato, red, ripe, boiled* (without salt)	24	0.4	12	41	200	11	99.0	1.55
03_0032	Turnip, raw	32	0.4	10	34	236	41	0.52	0.05
SD or min- max		11	0.3	8-11	27-41	191-280	15-67	09:0	60.0-0
Ľ		4	4	2	2	2	2	ю	2

Code	Food name in English	Vitamin A	Retinol (mca)	Beta-carotene equivalents	Vitamin D (mca)	Vitamin E	Thiamin (ma)	Riboflavin (mg)	Niacin equivalents	Vitamin B6 (mg)	Folate (mca)	Vitamin C
		(G ₁)	(6,)	(mcg)	(6)	(G)	ĺ.	(6)	(mg)	(6)	(6)	(6)
03_0025	Papaya, unripe, raw	1	0	[7]	0		0.03	0.02	[0.2]			18.6
SD or min- max n			н		Н		1	0-0.02 2	1			17.7 5
03_0041	Papaya, unripe, boiled* (without salt)	Н	0	[2]	0		0.02	0.02	[0.1]			12.2
03_0026	Peas, raw	38	0	455	0	[0.13]	0.40	0.14	2.8	0.169	65	7.6
SD or min- max n			н		н	ħ	Н	0-0.15 2		н	н	5-10.29 2
03_0027	Plantain, raw	26	0	929	0	[0.14]	60.0	90.0	6.0	0.299	22	7.3
SD or min- max n			П		н	н	0-0.09	0-0.06		н	н	4.9
03_0042	Plantain, boiled* (without salt)	53	0	989	0	[0.13]	90.0	0.04	9.0	0.205	12	4.3
03_0028	Pumpkin, raw	369	0	4430	0	[1.06]	0.07	90.0	0.8	0.061	16	21.1
SD or min- max			ŗ		,	-	0-0.07	90.00		-	ŗ	6.4
03_0043	Pumpkin, boiled* (without salt)	554	0	6640	+ 0	[1.61]	0.08	0.07	0.8	0.067	1 1	20.1
03_0029	Radish, raw	Ļ	0	ĭ	0	0	0.43	Ļ	0.5	0.071	25	17.3
SD or min- max			₩	F-1	H	τ-1	0-0.43	-		F	₩	7.6
03_0044	Radish, boiled* (without salt)	0	0	Ļ	0	0	0.40	Ė	0.4	0.066	17	9.2
03_0030	Tomato, green, raw		0		0	[0.38]	0.07	0.01	9.0	0.048	6	30.6
SD or min- max n			н		н	н	0-0.07	0-0.01		Н	н	0.7
03_0031	Tomato, red, ripe, raw	6	0	[104]	0	[0.54]	0.04	0.04	9.0	0.049	15	12.3
SD or min- max n					1	1	₽	1		1	Т	1
03_0045	Tomato, red, ripe, boiled* (without salt)	16	0	[187]	0	[86:0]	0.05	0.05	0.7	0.064	15	14.1
03_0032	Turnip, raw	0	0	0	0	[0.03]	0.04	0.02	9.0	0.09	15	24.7
SD or min- max n			0 m		П	Н	0.01	0.01		н	14-15 2	12.4 6

04 Leafy vegetables

Leafy vegetables known as 'shak' in Bangladesh are most commonly used in preparations like 'torkary' (curry), which along with rice form the main menu item for the low to mid income population. Various kinds of shaks are available throughout the year, notably lal shak, lau shak, data shak, pui shak, sajna pata, palong shak and pat shak.

Leafy vegetables are nutritionally important sources of vitamin C, ß-carotene, folate and iron. The dark green leaves contain more vitamin C and ß-carotene than the paler leaves. All leafy vegetables are a good source of dietary fibre.

Water soluble vitamins from leafy vegetables are largely lost during cooking and leaching of the cooking water. Leafy vegetables should be cooked with minimal water and for minimum time and with a lid covered so as to prevent nutrient losses. Whenever possible, fresh leafy vegetables should be cooked and consumed as soon as possible.

7		: · · · · · · · · · · · · · · · · · · ·	Edible portion	Energy	Water	Protein			Total dietary	, 10 A
enoo	Food name in English	Food name in Bengaii	coefficient	(kcal) kJ	(â)	(6)	(a)	available (g)	fibre (g)	Asn (g)
04_0001	Agathi, raw	Bok ful shak	1.00	(88) 370	73.1	8.4	1.8	5.7	7.9	3.1
					Т	1	Н		1	1
04_0002 SD or min- max	Alligator weed, raw	Malancha shak	0.75	(57) 240	84.7 84.7-84.7 2	4.9	1.2	9.9		2.6
04_0003 SD or min- max	Amaranth, leaves, spiney, raw	Kanta notay shak	0.79	(51) 214	81.8 2.4 6	4.8 1.7 3	0.3 0.2-0.3 2	5.2	4. t	3.6 3.5-3.6 2
04_0004 SD or min- max	Amaranth, leaves, red, raw	Lal shak	0.69	(32) 131	88.8 1.7 6	4.5	0.3	0.5	4.2	1.7
04_0032	Amaranth, leaves, red, boiled* (without Lal shak siddha, lobon chara salt)	Lal shak siddha, lobon chara	1.00	(37) 155	86.8	5.3	0.4	9.0	5.0	2.0
04_0005 SD or min- max	Amaranth, leaves, green, raw	Sobuj data shak	0.79	(25) 104	91.0 2.7 9	2.0 0.5 6	0.3 0.1 5	1.5	4.4	0.9
04_0033	Amaranth, leaves, green, boiled* (without salt)	Sobuj data shak siddha, lobon chara	1.00	(30) 123	89.3	2.3	0.3	1.7	5.1	1.1
04_0006 SD or min- max	Dock leaves, raw	Chukai shak, bivinno projati	1.00	(46) 194	86.4 82.8-90.0 2	3.1 1.0 3	0.7	5.0	1.8]	2.1 1.9-2 2
04_0007 SD or min- max	Beet greens leaves	Beet shak	0.54	(31) 129	88.7 86.4-91 2	2.8 2.2-3.4 2	0.5 0.1-0.8 2	2.1	3.7	2.3 2.2-2.3
04_0008 SD or min- max	Bengal dayflower, leaves, raw	Bat baitta shak	0.71	(22) 94	92.3 2.1 3	2.0 1.5-2.6 2	0.3	2.2	1.4]	1.7
04_0009 SD or min- max	Bitter gourd leaves, green, raw	Korola shak	0.38	(55) 231	84.0 6.5 6	4.9 1.7 5	0.5 0.4-0.7 2	6.1	3.1 2.3-4 2	1.4
04_0010 SD or min- max	Bottle gourd leaves, raw	Lau shak	0.71	(26) 109	90.2 3.1 5	2.5 0.2 6	0.6	9.0	4.4	1.7 0.4 3
04_0011 SD or min- max	Bugleweed, raw	Sabarang	0.71	(43) 179	88.6	2.6	1.3	4.6	[1.3]	1.7
04_0012 SD or min- max	Cassava, leaves, raw	Simei alu shak	0.85	(62) 259	82.4 0.9	4.7 0.6 3	1.2 0.2 3	5.7	4.8	1.3 0.3
04_0013 SD or min- max n	Colocasia leaves, black, raw	Kalo kochu shak	0.70	(62) 261	81.8 78.8-84.8 2	5.6 4.4-6.8 2	1.2	5.3	3.7	2.4 2.2-2.5 2

Ç		(2000)	(mm)	Ma (max)	(200)	7	No (mos)	7.5 (2000)	(m)
2000	rood name in English	ca (mg)	(fill) a.L	(Siii) Sivi	(fill) L	(fill) v	nd (mg)	(6iii) ii7	(filli) no
04_0001 SD or min- max	Agathi, raw	1130	3.9		80				
		1	1		1				
04_0002 SD or min- max	Alligator weed, raw	[19]	[0.5]		[46]				
c		1	1		1				
04_0003	Amaranth, leaves, spiney, raw	640	[14.4]	[265]	72	629	26	0.32	0.36
- C		2	1	1	1	1	1	1	1
04_0004	Amaranth, leaves, red, raw	256	0.9	181	32	261	29	96.0	0.22
SD or min- max n		142 4	8. E	68-295 2	П	244-278 2	⊣	0.56 3	0.19 3
04_0032	Amaranth, leaves, red, boiled* (without salt)	287	5.3	129	34	154	53	0.85	0.25
04_0005	Amaranth, leaves, green, raw	171	8.4	181	47	321	36	0.98	0.12
SD or min- max n		61	3.8	17	13 3	1	₽	н	0.09-0.16
04_0033	Amaranth, leaves, green, boiled* (without salt)	192	7.4	129	50	190	32	98.0	0.14
04_0006	Dock leaves, raw	74	6.7	82	48	602	[14]	0.43	0.13
SD or min- max		32	3.6-9.7	78-85	22-74	510-693			0.13-0.13
c		က	2	2	2	2	1	1	2
04_0007	Beet greens leaves	249	2.6	70	36	762	[226]	0.41	0.14
SD of IIIII- IIIax		11/-380 2	1	н	30-41	П	ц	0.30-0.44	0.03-0.13 2
04_0008	Bengal dayflower, leaves, raw	113	[7.1]	77	19	473	21	0.63	60.0
SD or min- max n		Н	н	1	н	т	т	1	1
04_0009	Bitter gourd leaves, green, raw	110	[5.2]	167	06	724	31	0.95	0.59
SD or min- max		43	5.0	98	27	116	31	0.53	0.70
04 0010	Rottle gourd leaves raw	4 70	. v.	, og	⁺ 80	276	41	0.49	٠ ۲
SD or min- max		24	1.1	42-96	27-30	222-330	36-46	0.15	0.02
c		4	က	2	2	2	2	က	က
04_0011 SD or min- max	Bugleweed, raw	49	2.8		52	268		0.52	
۵		1	1		1	1		1	
04_0012	Cassava, leaves, raw	201	4.9	54	36	303	22	0.45	0.81
SD or min- max		167-235	4.2-5.5	54-54	34-37	284-322	19-25		0.8-0.82
c		2	2	2	2	2	2	1	2
04_0013 SD or min- max	Colocasia leaves, black, raw	392 118	2.1	130	39	763	48	0.98	0.25
u		ဇ	1	1	1	1	1	1	1

				Beta-carotene			i		Niacin			
Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	equivalents (mcq)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboffavin (mg)	equivalents (mq)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
04_0001	Agathi, raw	1280	0	[15400]	0		0.21	60.0	3.4			169
) L			1	1	1		1	1				Н
04_0002 SD or min- max	Alligator weed, raw	475	0	[2200]	0							
			1	1	1							
04_0003 SD or min- max	Amaranth, leaves, spiney, raw	806	0	[10900]	0		0.03	0.06	1.6	0.192	82	43.4
L			1	П	1		1	2		П	1	က
04_0004 SD or min- max	Amaranth, leaves, red, raw	793	0 1	9520	0 1		0.03	0.13 0.13-0.13 2	1.6	0.192	85	42.0 12.8 6
04_0032	Amaranth, leaves, red, boiled* (without salt)	842	0	10100	0		0.02	0.10	1.2	0.147	20	19.8
04_0005 SD or min- max	Amaranth, leaves, green, raw	743	0 1	8920	0 1		0.03	0.18 0.18-0.18 2	1.6	0.192	1 85	37.1 23.9 5
04_0033	Amaranth, leaves, green, boiled* (without salt)	789	0	9460	0		0.02	0.14	1.2	0.147	20	17.5
04_0006 SD or min- max	Dock leaves, raw	217	0 1	[2600]	0 1		0.11 0.01 3	0.17 0.16-0.17 2	[1.6]	0.262	125	17.5
04_0007 SD or min- max	Beet greens leaves	463	0 1	5560	0 1	[1.5]	0.18 0.1-0.26 2	0.39 0.22-0.56 2	8. 8.	0.106	[15]	47.1 20.6 3
04_0008 SD or min- max	Bengal dayflower, leaves, raw	318	0 1	[3810]	0 1		0.04					20.0
04_0009 SD or min- max	Bitter gourd leaves, green, raw	357	0-0	[4280]	0 1		0.12 0.08 4	0.29	[1.4] 0.30 4	0.803	128	78.3 35.5 3
04_0010 SD or min- max	Bottle gourd leaves, raw	198	0 1	[2370]	0 1		0.07	0.17	1.4	0.188	73	47.7 36.9 3
04_0011 SD or min- max	Bugleweed, raw	36	0 1	[467]	0 1							13.1 12.9-13.3 2
04_0012 SD or min- max	Cassava, leaves, raw	356	0 1	[4270]	0 1		0.16	0.30	[1.1]	0.200	77	27.3
04_0013 SD or min- max	Colocasia leaves, black, raw	669	0	8390	0	[3.36]	0.06-0.06	0.45	2.6	0.146	126	63 63-63
c			1		1	П	2	2		1	т	2

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
04_0014 SD or min- max	Colocasia leaves, green, raw	Shobuj kochu shak	0.80	(51) 212	84.7 3.2 6	4.0 0.8 7	1.1	4.4	3.7	2.1 0.1 3
04_0015 SD or min- max	Cowpea, leaves, raw	Borboti pata	0.80	(34) 141	89.0	3.4	0.7	1.7	3.6	1.6
04_0016 SD or min- max	Dima leaves, raw	Dima shak	0.71	(33) 137	91.1 1.6 3	1.7	0.4 3	3.6	[1.0]	1.6
04_0017 SD or min- max	Drumstick, leaves, raw	Sajna pata	0.75	(72) 300	79.7 5.0 4	6.7 6.7-6.7 2	1.8 0.2 3	4.6	5.2	2.0 1.7-2.3 2
04_0018 SD or min- max	Fern, leaves, raw	Dheki shak	1.00	(68) 287	82.3 8.5 3	1.3 1.1-1.5 2	0.6 0.2 3	13.7	[1.0]	1.1
04_0019 SD or min- max	Fenugreek, leaves, raw	Methi shak	0.59	(50) 210	86.1	4.4	0.9	5.0	[2.1]	1.5
04_0020 SD or min- max n	Indian spinach, raw	Pui shak	0.71	(25) 105	91.8 1.7 7	2.4 0.7 7	0.3 0.1 7	2.1	2.2	1.2 0.2 3
04_0036	Indian spinach, boiled* (without salt)	Pui shak siddha, lobon chara		(33) 138	89.2	3.1	0.4	2.8	2.9	1.6
04_0021 SD or min- max n	Jute leaves, raw	Pat shak	69.0	(32) 134	87.6 3.6 4	2.9 1.3 5	0.3 0.2 4	1.7	5.8	1.8 1.3-2.3 2
04_0022 SD or min- max n	Pumpkin leaves, raw	Misti kumra shak	0.71	(29) 122	90.8 1.2 4	2.4 0.4 5	0.4 0.3 5	2.8	[2.1]	1.4
04_0023 SD or min- max n	Radish leaves, raw	Mula shak	06.0	(32) 135	90.7 1.8 4	1.8 0.3 6	0.7	4.8	2.6	0.8 0.3 3
04_0024 SD or min- max	Slender amaranth leaves, raw	Notay shak	0.79	(47) 196	83.9 5.3	4.1 3-5.2 2	0.5 0.3-0.7 2	4.3	4.4	2.8
04_0034	Slender amaranth leaves, boiled* (without salt)	Notay shak siddha, lobon chara	1.00	(55) 232	81.1	4.8	9.0	5.1	5.1	3.3
04_0025 SD or min- max	Spinach, raw	Palong shak	0.87	(26) 107	90.8 2.0 9	3.0	0.5	0.0	2.9	2.0
04_0035	Spinach, boiled* (without salt)	Palong shak siddha, lobon chara	1.00	(47) 195	83.1	5.4	6.0	1.6	5.3	3.6
04_0026 SD or min- max	Sweet potato leaves, raw	Misti alu shak	1.00	(45) 185	84.0 2.3 8	4.0 0.7 8	0.8	1.8	7.3 1.5 4	2.1

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
04_0014 SD or min- max	Colocasia leaves, green, raw	235 13 3	4.9 3.1-6.8 2	61 43-80 2	40 37-43 2	764	47 40-53 2	0.68 0.04 3	0.19 0.04 3
04_0015 SD or min- max	Cowpea, leaves, raw	290	5.1	60	61	475	14	0.5	0.27
04_0016 SD or min- max	Dima leaves, raw								
04_0017 SD or min- max	Drumstick, leaves, raw	440 440-440 2	0.9	42	70	259	30	0.16	0.07
04_0018 SD or min- max	Fern, leaves, raw								
04_0019 SD or min- max	Fenugreek, leaves, raw	395	1.9	41	51	[31]	76	0.34	0.10
04_0020 SD or min- max	Indian spinach, raw	111	2.2 2.6 3	[179]	31	187 111-263 2	69 34-105 2	0.35 0.16 3	0.06
04_0036	Indian spinach, boiled* (without salt)	140	2.2	142	37	123	69	0.35	0.08
04_0021 SD or min- max	Jute leaves, raw	120 12 3	[9.7]	42	60	225	60	1.47	0.02
04_0022 SD or min- max	Pumpkin leaves, raw	40 40-40 2	2.2	38	104	436	11	0.20	0.13
04_0023 SD or min- max	Radish leaves, raw	147 84-210 2	2.8	20 14-16 2	41 22-60 2	260 223-296 2	70 56-84 2	0.48 0.20 3	0.07 0.00 3
04_0024 SD or min- max	Slender amaranth leaves, raw	227 93 3	5.4	32	50 47-52 2	670	56	1.20	0.22
04_0034	Slender amaranth leaves, boiled* (without salt)	255	4.8	23	53	395	20	1.06	0.25
04_0025 SD or min- max	Spinach, raw	90 13 4	2.2 0.9 3	52 45 22	45 1	471	171	0.90 0.46 4	0.10 0.04 4
04_0035	Spinach, boiled* (without salt)	157	3.1	57	74	430	235	1.23	0.16
04_0026 SD or min- max	Sweet potato leaves, raw	194 102 5	2.7	50 11 4	1 1	497 149 4	47 32 3	0.32 0.05 3	0.19 0.04 3

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
04_0014 SD or min- max	Colocasia leaves, green, raw	296	0	7150	0	[2.02]	0.22	0.26	5.6	0.15	126	48.1
L			7		1	1	2	2		1	1	2
04_0015 SD or min- max	Cowpea, leaves, raw	150	0	1800	0		0.05	0.18	[1.6]	0.24	129	57.0
u			1	1	1		1	1	1	1	1	1
04_0016 SD or min- max	Dima leaves, raw		0 -		0 -							7.0
04 0017	Drumstick, leaves, raw	1100	. 0	13160	. 0		0.26	0.66	2.6	1.2	205	220
SD or min- max			, 4		, 4		1	1	ì	H H	1	220-220
04_0018 SD or min- max	Fern, leaves, raw				0 1							
04_0019 SD or min- max	Fenugreek, leaves, raw	758	0 1	9100	0 +		0.12	0.31	1.7	0.268	104	52.0
04_0020 SD or min- max	Indian spinach, raw	170	0	[2030]	0		0.02	0.36-0.36	[0.5]	0.24	140	51.8
L			П	1	1		2	2	1	1	1	S
04_0036	Indian spinach, boiled* (without salt)	201	0	[2410]	0		0.02	0.31	[0.4]	0.21	92	27.3
04_0021 SD or min- max	Jute leaves, raw	305	0	[3660]	0		0.1	0.55	1.6	9.0	123	54.4
n 0000		,	H (1 [10.40]	⊢ (1 0	L	1 0 001	٦ 6	1 1
04_0022 SD or min- max	Pumpkin leaves, raw	162	0 1	[1940] 1	0 1		0.12	0.24	1.5	0.207	36	37.2 13.4-61 2
04_0023 SD or min- max	Radish leaves, raw	156	0 +	1870	0 +		0.08	0.09	1.6	0.179	70	68.9
04_0024 SD or min- max	Slender amaranth leaves, raw	973		11680	0 1		0.03	0.16	1.6	0.192	85	179
04_0034	Slender amaranth leaves, boiled* (without salt)	1030	0	12400	0		0.02	0.12	1.2	0.147	20	84.4
04_0025 SD or min- max	Spinach, raw	409	0 1	4910	0 +	[2.03]	0.03	0.09	1.4	0.195	194	21.2 19.9-22.4 2
04_0035	Spinach, boiled* (without salt)	672	0	8060	0	[3.70]	0.04	0.11	1.7	0.231	177	15.5
04_0026	Sweet potato leaves, raw	308	0	3700	0		0.10	0.14	2.1	0.137	80	27
SU or min- max			1		Н		0.09	4		0.159 3	1	1

Code	Food name in English	Food name in Bengali	Edible portion Energy coefficient (kcal) kJ	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate Total dietary available (g)	Total dietary fibre (g)	Ash (g)
04_0027 SD or min- max n	Sweet potato leaves, SP4, dark green, mature, raw Misti alu shak (SP4)	Misti alu shak (SP4)	1.00	(45) 189	83.3	3.9	0.4	2.8	7.7	2.0
04_0028 SD or min- max	Sweet potato leaves, SP7, dark green, mature, raw Misti alu shak (SP7)	Misti alu shak (SP7)	1.00	(45) 185	82.4	4.9	0.3	1.2	8.5	2.7
04_0029 SD or min- max	Sweet potato leaves, SP8, light green, mature, raw	Misti alu shak (SP8)	1.00	(50) 206	82.6	3.6	0.4	9.6	8.0	1.6
04_0030 SD or min- max	Water spinach, raw	Kolmee shak	0.71	(43) 179	87.1 4.3 6	1.9 0.3 6	0.4	0.9	3.7	0.9 0.6-1.1 2
04_0031 SD or min- max	Watercress, raw	Helencha shak	0.75	(49) 206	87.4	2.0 0.2	0.5	8.8	6.5	0.8

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
04_0027	Sweet potato leaves, SP4, dark green, mature, raw	198	2.8	65	85	069	29	0.36	0.15
S C		1	1	1	1	1	1	1	1
04_0028	Sweet potato leaves, SP7, dark green, mature, raw	117	2.9	38	89	347	63	0.34	0.19
SD or min- max n		н	₽	↔	н	н	н	н	н
04_0029	Sweet potato leaves, SP8, light green, mature, raw	106	2.9	47	88	530	51	0.26	0.24
ם טיים בי		Н	1	1	1	Н	Н	П	1
04_0030	Water spinach, raw	107	2.2	19	36	207	107	0.51	90.0
SD or min- max			1.5	16-22			107-107	0.25-0.77	
_		1	ო	2	₽	Н	2	2	1
04_0031	Watercress, raw	31	1.9	27	52	230	49	0.52	0.02
SD or min- max		31-31							
L		2	1	1	1	1	1	1	1

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Thiamin Riboflavin (mg) (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
04_0027	Sweet potato leaves, SP4, dark green, mature, raw	448	0	5380	0		0.04	0.10	2.2	0.049	84	6:0
SD or min- max n			₽		1		Н	Н		1	₽	1
04_0028	Sweet potato leaves, SP7, dark green, mature, raw	276	0	3310	0		0.23	0.11	2.3	0.32	88	3.3
SD or min- max			1		н		1	П		н	1	н
04_0029	Sweet potato leaves, SP8, light green, mature, raw	118	0	1421	0		0.05	0.11	2.3	0.04	87	2.4
SD or min- max n			1		н		1	Н		н	1	ц
04_0030	Water spinach, raw	199	0	[2380]	0		0.14	0.4	[6.9]	960.0	22	30.4
SD or min- max			Н	н	н		1	Н	ᆏ	н	Н	13.3
04_0031	Watercress, raw	530	0	6360	0	1.46	0.04	0.16	1.0	0.129	45	43.0
SD or min- max			↔		₽	Н	Н	₽		₽	Н	₩

05 Starchy roots, tubers and their products

content (70-80 percent), these crops contain mainly carbohydrates which are largely starches that account for 16-24 Roots and tubers are plants yielding starchy roots, tubers, rhizomes, corns and stems. Apart from their high water percent of their total weight with very little protein and fat (0-2 percent). Root crops and tuber crops have very high yield potential although their protein, mineral and vitamin content are generally low compared to cereals. However, colocasia (kochu), yams and potato tuber provide some minerals and vitamin C. The orange-fleshed sweet potato is especially a rich source of B-carotene.



Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
05_0001 SD or min- max	Colocasia/Taro, corm, raw	Kochur mukhi	0.84	(103) 435	71.1 4.9 5	2.2 0.8 6	0.2	21.0	1.1	1.4 0.2 5
05_0011	Colocasia/Taro, boiled* (without salt)	Kochur mukhi siddha, lobon chara	1.00	(115) 487	67.5	2.5	0.2	23.6	4.6	1.6
05_0002 SD or min- max	Colocasia/Taro/Tannia, cormel, raw	Dudh kochu	0.87	(101) 427	71.9	2.2 1.3-3 2	0.2 0.1-0.2 2	20.6	1.1	1.0 1-1.1 2
05_0017	Colocasia/Taro/Tannia, cormel, boiled* (without salt)	Dudh kochu siddha, lobon chara	1.00	(113) 478	68.5	2.4	0.2	23.1	4.6	1.2
05_0003 SD or min- max	Elephant foot, corm, raw	Ole kochu	0.80	(74) 314	78.7	1.2	0.1 0.1-0.1 2	15.1	1.1	0.8
05_0018	Elephant foot, corm, boiled* (without salt)	Ole kochu siddha, lobon chara	1.00	(83) 352	76.1	1.3	0.1	16.9	4.6	6.0
05_0004 SD or min- max	Giant taro, corm, raw	Mann kochu	0.84	(82) 346	76.7 69.1-84.2 2	1.5 1.1-1.8 2	0.2 0.1-2 2	16.6	4.1	1.0 0.7-1.3 2
05_0019	Giant taro, corm, boiled* (without salt)	Mann kochu siddha, lobon chara	1.00	(95) 388	73.9	1.6	0.2	18.6	4.6	1.1
05_0005 SD or min- max	Potato, Diamond, raw	Gol alu, Diamond jat, khosa chara	0.84	(66) 281	81.7	1.2	0.2	14.0	2.1	0.9
05_0012	Potato, Diamond, boiled* (without salt)	Gol alu siddha, lobon chara	1.00	(67) 284	81.5	1.2	0.2	14.2	2.1	6.0
05_0021	Potato Mash*	Alu siddha, Iobon soho	1.00	(84) 354	77.0	1.4	8.0	16.6	2.5	1.8
05_0006 SD or min- max	Sweet potato, Komola Sundori, orange flesh, raw	Misti alu, Komola Sundori	0.84	(97) 409	73.7	0.9	0.3	21.1	3.0	1.0
05_0016	Sweet potato, Komola Sundori, orange flesh, boiled* (without salt)	Misti alu, Komola Sundori, siddha, Iobon chara	1.00	(98) 414	73.4	6.0	0.3	21.4	3.0	1.0
05_0007 SD or min- max	Sweet potato, pale-yellow flesh, raw	Misti alu, holdey	0.84	(105) 443	71.7	0.9	0.0	23.1	3.0	0.1
05_0013	Sweet potato, pale-yellow flesh, boiled* Misti (without salt)	Misti alu, holdey, siddha, lobon chara	1.00	(106) 448	71.4	6:0	0.3	23.4	3.0	1.0
05_0008 SD or min- max	Sweet potato, skin purple, flesh pale- yellow, raw (without skin)	Misti alu, lal khosa	0.84	(104) 441	71.8	0.6	0.3	23.4	3.0	1.0
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Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
05_0001	Colocasia/Taro, corm, raw	35	0.7	33	84	591	11	0.23	0.17
SU or min- max		30-40	1	1	П	П	н	н	П
05_0011	Colocasia/Taro, boiled* (without salt)	40	8.0	32	88	230	12	0.23	0.17
05_0002	Colocasia/Taro/Tannia, cormel, raw	40	6.0	33	33	591	6	0.23	0.17
SD of min- max		1	1	1	1	1	1	1	1
05_0017	Colocasia/Taro/Tannia, cormel, boiled* (without salt)	46	1.1	35	34	530	10	0.23	0.17
05_0003	Elephant foot, corm, raw	20	9.0	33	84	591	ō	0.23	0.17
ח חווון ווומא		1	1	1	1	т	1	1	1
05_0018	Elephant foot, corm, boiled* (without salt)	56	0.7	35	88	530	10	0.23	0.17
05_0004	Giant taro, corm, raw	46	1.0	33	72	591	6	0.23	0.17
SD of min- max		1	1	1	1	ц	1	1	1
05_0019	Giant taro, corm, boiled* (without salt)	52	1.1	32	75	530	10	0.23	0.17
05_0005	Potato, Diamond, raw	11	0.5	21	40	286	16	0.79	0.43
25 C		1	1	П	п	н	н	1	1
05_0012	Potato, Diamond, boiled* (without salt)	14	9.0	20	38	232	15	0.72	0.39
05_0021	Potato Mash*	14	9.0	23	44	273	310	0.85	0.47
05_0006	Sweet potato, Komola Sundori, orange flesh, raw	30	9.0	25	38	214	22	0.30	0.15
S		1	1	1	1	1	П	1	1
05_0016	Sweet potato, Komola Sundori, orange flesh, boiled* (without salt)	31	0.7	24	36	174	20	0.27	0.14
2000 50	Sweet potato, pale-yellow flesh, raw	25	1.0	27	44	219	22	0.14	0.11
SD or min- max n		12 6	0.4	ᆏ	38-50	76	11	0.11-0.17	0.1-0.11
05_0013	Sweet potato, pale-yellow flesh, boiled* (without salt)	27	1.1	56	42	177	20	0.13	0.10
8000-50	Sweet potato, skin purple, flesh palevellow, raw (without skin)	32	1.4	27	20	232	22	0.40	60.0
SD or min- max n		1	0.1	1	1	1	1	0.21	0.05

Code	Food name in English	Vitamin A	Retinol (mcg)	Beta-carotene equivalents	Vitamin D	Vitamin E	Thiamin (mg)	Riboflavin	Niacin equivalents	Vitamin B6	Folate (mcd)	Vitamin C
0007	October Park	6	6	(mcg)		[00 0]	610	600	(mg)	6000	6,00	6 7
SD or min- max	Colocasia Ialo, colli, Iaw	1	o %	5	>	[2.30]	0.07	0.03	- 1	0.203	77	T.0 9-9
c			2		1	1	က	1		1	1	2
05_0011	Colocasia/Taro, boiled* (without salt)	4	0	48	0	[2.67]	0.10	0.03	6.0	0.238	16	4.8
05_0002	Colocasia/Taro/Tannia, cormel, raw		0		0	[2.38]	0.15	0.03	1.1	0.283	22	6.2
SD or min- max			₽		H	H	-	1		Н	↔	1
05_0017	Colocasia/Taro/Tannia, cormel, boiled* (without salt)	0	0		0	[2.67]	0.13	0.03	6.0	0.238	16	4.9
05_0003	Elephant foot, corm, raw		0		0	[1.43]	90.0	0.07	1.1	0.283	22	4.5
SD or min- max			1		1	Т	1	1		1	1	1
05_0018	Elephant foot, corm, boiled* (without salt)	0	0		0	[2.67]	0.05	0.07	6.0	0.238	16	3.5
05_0004	Giant taro, corm, raw		0		0	[2.38]	60.0	0.03	1.1	0.283	22	9.9
SD or min- max			П		1	т	Т	1		₽	1	1
05_0019	Giant taro, corm, boiled* (without salt)	0	0		0	[2.67]	0.08	0.03	6.0	0.238	16	5.2
05_0005	Potato, Diamond, raw	7	0	27	0	[0.02]	0.08	60.0	0.8	0.277	18	19.1
ם מים מים מים מים מים מים מים מים מים מי			1		1	1	1	1		1	1	1
05_0012	Potato, Diamond, boiled* (without salt)	7	0	26	0	[0.02]	90:0	0.08	9.0	0.210	11	13.5
05_0021	Potato Mash*	ო	0	[32]	0	[0.11]	0.07	0.10	[0.4]	0.247	14	16.5
9000-50	Sweet potato, Komola Sundori, orange flesh, raw	719	0	8630	0	[0.26]	0.08	90.0	0.8	0.209	11	23.0
SD or min- max n			1		н	н	↔	н		н	Н	П
05_0016	Sweet potato, Komola Sundori, orange flesh, boiled* (without salt)	692	0	8300	0	[0.26]	90.0	0.05	9.0	0.159	7	16.3
05_0007	Sweet potato, pale-yellow flesh, raw	ო	0	39	0	[0.26]	90.0	0.02	0.8	0.209	11	20.4
SD or min- max n			Н	Н	н	н	0.06-0.06	н		н	н	6.3
05_0013	Sweet potato, pale-yellow flesh, boiled* (without salt)	ო	0	38	0	[0.26]	0.05	0.02	9.0	0.159	7	14.4
8000_20	Sweet potato, skin purple, flesh pale-vellow, raw (without skin)	ო	0	39	0	[0.26]	0.08	90.0	0.8	0.209	11	35.1
SD or min- max n			1	1	1	1	1	н		1	1	16.5

	Food name in English	Food name in Bengali	coefficient (kcal) kJ (g	(kcal) kJ	Water (g)	Protein (g)	(g)	available (g) fibre (g)	fibre (g)	[(B)
05_0015 Sw	Sweet potato, skin purple, flesh pale- Misti alu, lal khosa, siddha, yellow, boiled* (without salt)		1.00	(106) 447	71.4	9.0	0.3	23.6	3.0	1.0
05_0009 Sw	Sweet potato, white flesh, raw	Misti alu, sada	0.84	(98) 415	73.5	0.6	0.3	21.8	3.0	0.8
c					4	4	П		1	ო
05_0014 Sw	Sweet potato, white flesh, boiled* (without salt)	Misti alu, sada, siddha, lobon chara	1.00	(99) 420	73.2	9.0	0.3	22.1	3.0	0.8
05_0010 Ya SD or min- max	Yam, tuber, raw	Bon alu, bivinno projati	0.81	(97) 410	73.1	1.5	0.2	20.3	4.1	0.8
c					2	1	1		1	1
05_0020 Ya	Yam, tuber, boiled* (without salt)	Bon alu siddha, lobon chara	1.00	(109) 460	8.69	1.7	0.2	22.8	4.6	6.0

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
05_0015	Sweet potato, skin purple, flesh pale- yellow, boiled* (without salt)	33	1.4	26	47	188	20	0.37	0.08
6000 20	Sweet potato, white flesh, raw	25	1.5	25	20	232	21	0.38	0.10
SD or min- max		17-32	1.5-1.5				7-34	0.24	0.07
L		2	2	1	1	1	2	ო	က
05_0014	Sweet potato, white flesh, boiled* (without salt)	26	1.5	24	47	188	19	0.35	0.09
05_0010 SD or min- max	Yam, tuber, raw	17	8.0	17	35	353	o	0.34	0.18
L		1	1	1	1	1	1	1	1
02_0020	Yam, tuber, boiled* (without salt)	21	6.0	19	36	316	10	0.34	0.18

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
05_0015	Sweet potato, skin purple, flesh pale-yellow, boiled* (without salt)	က	0	38	0	[0.26]	90.0	0.05	9.0	0.159	7	24.9
05_0009 SD or min- max	Sweet potato, white flesh, raw	н	0	17	0	[0.26]	0.08	90.0	0.8	0.209	11	20.3
c			н	П	1	П	1	н		1	1	ro
05_0014	Sweet potato, white flesh, boiled* (without salt)	н	0	16	0	[0.26]	90.0	0.05	9.0	0.159	7	14.4
05_0010	Yam, tuber, raw	က	0	30	0	0.46	0.11	0.03	0.8	0.293	23	12.8
SD or min- max n			Н	н	Н	Н	1	1		н	ц	5.7
05_0020	Yam, tuber, boiled* (without salt)	က	0	32	0	0.52	0.10	0.03	9.0	0.246	16	10.0

O6 Nuts, seeds and their products

Seeds, nuts and kernels of leguminous crops with high fat-content are the main sources of edible oils and fats. Nuts are rich in energy and excellent sources of monounsaturated fatty acids (MUFA) such as oleic and palmitoleic acid. They are also rich sources of essential fatty acids like Linoleic acid and alpha-Linolenic acid (ALA) and other n-3 fatty acids like Eicosapentaenoic acid and Docosahexonic acid.

Nuts provide protein and B-complex vitamins, particularly thiamin and niacin. However, in the amounts consumed, they may not contribute much to the intake of minerals and vitamins. Nuts also contain good amount of vitamin E, a powerful lipid soluble antioxidant. Vitamin E is required for maintaining the integrity of cell and membrane and skin, thus, protecting it from harmful oxygen-free radicals.

Nuts are a storehouse of health beneficial bioactive compounds which exert antioxidant role. Furthermore, they are a compact source of nutrients in that, in addition to energy, protein and vitamins, they are rich source of minerals like manganese, potassium, calcium, iron, magnesium, zinc, fluoride and selenium.

Nuts can be eaten as such, or either as salted or sweetened. They can be added to desserts, particularly *payesh*, *kheer*, ice cream and sundaes. They are also widely used in confectionery, biscuits, sweets and cakes.

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
06_0001 SD or min- max	Sunflower seeds, dried	Surjomukhi bij	0.54	(552) 2290	4.7	17.1	40.1	26.4	8.6	3.0
06_0002 SD or min- max	Cashew nuts, raw	Hizlee badam	1.00	(595) 2470	5.9	18.0	46.9	23.5	3.3 3.3	2.4
C C					П	1	1		П	1
06_0003 SD or min- max	Chilgoza pine, dried	Chilgoza	1.00	(712) 2940	2.9 1.0	13.7 13.7-13.7	68.4 68.4-68.4	8.7	3.7	2.7 0.1
06_0004 SD or min- max	Coconut milk	Narikel dudh	1.00	(213) 876	72.0 71.1-72.9 2	2.1 2-2.1 2	21.7 21.3-22.1 2	1.2	2.2	0.8 0.7-1
06_0005 SD or min- max	Coconut, desiccated	Narikel, shukna	1.00	(652) 2680	6.1 0.1 8	5.6	62.2 0.2 3	8.5	17.8	1.6 1.6-1.6 2
06_0006 SD or min- max	Coconut, mature kernel	Narikel	0.78	(389) 1600	42.9 4.7 7	3.3 0.2 4	36.7 2.7 6	6.9	9.2 9-9.3 2	1.0 0.1 5
06_0007 SD or min- max n	Groundnuts/Peanut, raw	China badam	1.00	(585) 2430	5.3 3.0	22.5 1.5 15	46.6 4.0 8	14.8	8.5	2.4 2.3-2.4 2
06_0008 SD or min- max n	Jackfruit seeds, raw	Kathal er bichi	0.94	(151) 639	60.1 7.2 3	5.6	0.4	30.4	[1.5] 0.1 3	2.0 0.9 3
06_0009 SD or min- max	Linseed, raw	Tisi	1.00	(500) 2060	6.5 6.5-6.5 2	17.2	39.1 1.3 32	6.1	27.3	3.7
06_0010 SD or min- max n	Lotus seeds, dried	Poddo gota, shukna	1.00	(339) 1440	12.7 2.3 3	16.3 15.4-17.2 2	2.2 2-2.4 2	61.6	[4.1] 1	3.2 1.2 3
06_0011 SD or min- max n	Lotus seeds, green	Poddo gota, kancha	0.53	(74) 312	80.8 77-84.6 2	1.1	0.6 0.5-0.7 2	12.5	[0.9]	1.1 1.1-1.1 2
06_0012 SD or min- max	Mustard seeds, dried	Sarisha	1.00	(501) 2080	8.5 0.0 3	22	35.0	18.5	11.8	4.2
06_0013 SD or min- max n	Pistachio nuts, dried	Pesta	0.52	(574) 2380	4.5 1.0 8	19.2 2.1 3	44.9 44.4-45.4 2	18.2	10.3	2.9 0.1 3
06_0014 SD or min- max n	Pumpkin seeds, dried	Mistikumrar bichi	0.81	(580) 2400	6.3 1.5 3	25.1 4.8 3	47.3 1.7 3	10.6	6.0	4.7 4.7-4.8 2
06_0015 SD or min- max n	Sesame seeds, whole, dried	Ē	1.00	(563) 2330	5.3 0.0	17.7	45.8 43.3-48.2 2	14.3	11.7	5.2
06_0016 SD or min- max	Walnuts	Akhrot	0.45	(684) 2820	1.5	15.2	64.5	7.3	6.7	1.8

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
06_0001	Sunflower seeds, dried	78	5.3	325	099	645	6	5.00	1.80
ם סיים ווווי ווומא		1	1	1	1	1	1	1	1
06_0002 SD or min- max	Cashew nuts, raw	20	5.0	292	593	099	12	5.78	2.20
_		1	1	1	1	1	1	1	1
00_00	Chilgoza pine, dried	41	4.9	251	575	262	2	6.45	1.32
SD or min- max		43	1.1	251-251 2	575-575 2	597-597	2-2	6.45-6.45	1.32-1.32
06 0004	Coconut milk	, «	o cr	45	26	227	14	09 0	0.23
SD or min- max		17-18 3	2.7-3.3	43-46	96-97	220-234	13-14	0.56-0.64	0.22-0.23
90 00 02	Coconut, desiccated	32	4.7	06	185	099	28	06.0	0.78
SD or min- max n		23-40 2	2.7	1	160-210 2	т	т	Н	0.55-1
9000 90	Coconut, mature kernel	16	2.2	37	117	424	16	0.74	0.31
SD or min- max n		7 8	0.4	രവ	26	91	7	0.29	0.15
2000 90	Groundnuts/Peanut, raw	92	2.9	189	403	889	10	3.39	1.08
SD or min- max n		18	1.2 4	168-210 2	376-430 2	670-705 2	2-18 2	3.27-3.5 2	1.02-1.14 2
06_0008	Jackfruit seeds, raw	40	1.5	54	26	246	63		0.19
20 00 mm.		2	2	1	Н	1	1		1
6000_90	Linseed, raw	255	5.7	392	642	813	30	4.34	1.22
SU or min- max		Н	Н	Н	1	1	ц	Н	1
06_0010	Lotus seeds, dried	147	5.6	210	626	1370	2	1.05	0.35
SD or min- max n		130-163 2	3.8	+	н	н	П	Н	1
06_0011	Lotus seeds, green	47	1.0	56	168	367	⊣	0.28	0.09
u u		2	1	1	П	1	1	1	1
06_0012	Mustard seeds, dried	257	8.9	357	800	713	13	5.87	0.62
20 C		1	1	1	Н	Н	1	1	+
06_0013	Pistachio nuts, dried	117	5.3	121	490	1020	⊣ ;	2.2	1.3
SD or min- max n		20 3	2.1 3	121-121 2	490-490 2	1025-1025 2	1-1 2	2.2-2.2 2	1.3-1.3 2
06_0014	Pumpkin seeds, dried	45	8.1	431	1042	815	13	7.21	1.46
SD or min- max n		ဖက	2.3 3	270-592 2	850-1233 2	809-820 2	7-18 2	6.6-7.81 2	1.34-1.57 2
06_0015	Sesame seeds, whole, dried	696	10.5	349	625	465	11	7.70	4.06
		1	1	1	1	1	T,	ц	1
06_0016 SD or min- max	Walnuts	100	4.8	158	346	441	2	3.09	1.59
c		1	1	1	1	1	1	1	Н

				Beta-carotene				1	Niacin			
Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	equivalents (mg)	>	Folate (mcg)	Vitamin C (mg)
06_0001 SD or min- max	Sunflower seeds, dried	2	0	23	0	35.23	1.48	0.36	9.1		227	0
			Н		1	1	1	н		Н	Н	1
06_0002 SD or min- max	Cashew nuts, raw	⊣	0	9	0	0.85	0.63	0.19	5.7	0.417	25	0
u			П		1	1	П	н		н	П	1
06_0003	Chilgoza pine, dried	н	0	18	0	13.65	0.35	0.25	6.2	0.094	34	0.5
SD or min- max n			0-0		Н	Н	0.03 3	3		₽	34-34 2	0.5 3
06_0004 SD or min- max	Coconut milk	0	0 %	0	0 %	0.7	0.03	0.01	[0.7]	0.028	15 14-15	1.3
C			2		2	1	2	2	2	1	2	2
06_0005 SD or min- max n	Coconut, desiccated	0	0 0-0 5 0-0	0	0 1	1.26	0.06 0.03 3	0.02 0.02 3	2.9	0.09	13 9-17 2	0 1
06_0006 SD or min- max	Coconut, mature kernel	0	0 0	0	0 %	0.73	0.05	0.04	1.1	0.054	23	3.3
1 0 0		c	თ (c	7 (, o	1 1 œ	ω 		2 0	4 L	ა ი
06_0007 SD or min- max n	Groundnuts/Peanut, raw	0	0 0 m	0 8	0-0 7-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	10.09	0.77 0.32 4	0.12 0.02 3	18.4	0.348	$\frac{175}{110-240}$	0-0
06_0008 SD or min- max	Jackfruit seeds, raw	0	0 1	0	0 1		0.21 0.16-0.25 2	0.11 0.11-0.11 2	[3.1]			8.6 6.2-11 2
06_0009 SD or min- max	Linseed, raw	0	0	0	0	10.35	1.64	0.16	7.7	0.473	87	0
L			1	1	П	П	1	1		7	1	1
06_0010 SD or min- max	Lotus seeds, dried	ო	0 0 m	[30]	0 1		0.64	0.15	5.3	0.629	104	0 1
06_0011 SD or min- max	Lotus seeds, green	Н	0-0	[12]	0		0.17	0.04	1.4	0.168	28	0
u			2	ĘŦ.	н.		н	FI.		с-1	н	(1
06_0012 SD or min- max n	Mustard seeds, dried	⊣	0 1	17	0 1	[5.07] 1	0.65	0.26	8.2	0.383	156 1	0 1
06_0013	Pistachio nuts, dried	16	0	195	0	[2.3]	0.80	0.20	5.8	1.70	51	5.3
SD or min- max n			0-0	140-249 2	Н	, H	0.12	0.07		₽	51-51 2	5-5.6
06_0014 SD or min- max	Pumpkin seeds, dried	Н	0 %	10	0	[2.18]	0.27	0.21	10.4	0.143	28	1.5
Z			2		Н.	7	ო	က		Н.	₽	2
06_0015 SD or min- max	Sesame seeds, whole, dried	0	0	വ	0	2.00	0.79	0.34	12.2	0.78	26	0
z			т		1	1	1	1		1	т,	1
06_0016 SD or min- max	Walnuts	⊣	0	12	0	3.61	0.45	0.15	4.0	0.537	86	1.3
			1		1	1	1	1		1	1	1

07 Spices, condiments and herbs

Spices are aromatic pungent substances. Condiments are processed spices. Spices and condiments are accessory foods that are used in small amounts to impart flavor, aroma and palatability to the diet. Recognition of these flavouring compounds led to the preparation of artificial essence. Typically, cinnamon aldehyde gives clove flavor while methanol gives mint flavor. These spices and condiments are included under the category of 'intentional additives'.

As spices and condiments are used in small amounts, their contribution to nutrient intake is very limited. Some of the spices are rich sources of iron, other trace elements and potassium. Fresh spices like green chilies, mint leaves, coriander leaves and curry leaves also provide good amounts of vitamin C when used in fresh form.

Spices are generally high in ash and fibre. Average values for calcium, magnesium, iron, sodium, and potassium are higher in fresh spices (leaves and herbs) than in those from other parts of plants. Spices from seeds are highest in phosphorus. A few spices notably celery seed, cumin, coriander leaves, cloves and parsley flakes are very high in sodium and their use is contraindicated in sodium restricted diets.

Spices also contain several bioactive and pharmacologically potent substances like choline and biogenic amines. Some of the spices like turmeric, asafoetida or *hing* and garlic have antibacterial property and inhibit putrefying bacteria.

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
07_0001 n	Bay leaf, dried	Tejpata		(353) 1480	5.4	7.6	8.4		26.3	3.6
07_0002 SD or min- max	Cardamom	Elach	1.00	(261) 1090	20.0	10.2	2.2	37.8	24.4	5.4
07_0003 SD or min- max	Chilli, red, dry	Shukna morich	0.94	(313) 1310	10.0 10-10 2	15.9 16-16 2	6.2 6-6 2	35.2	26.6	6.1
07_0004	Cinnamon, ground	Darchini gura	1.00	(243) 1010	10.6	4.0	1.2	27.5	53.1	3.6
07_0005 SD or min- max	Cloves, dried	Labongo	1.00	(267) 1100	25.2	5.2	8.9 1	27.4	28.1	1 5.2
07_0006 SD or min- max	Coriander leaves, raw	Dhone pata	0.70	(30) 125	87.9 2.2 6	3.3 0.3 6	0.5 0.1 6	0.1	5.9	2.2 2.2-2.3 2
07_0007 SD or min- max n	Coriander seed, dry	Dhonia	1.00	(336) 1390	11.2 11.2-11.2 2	14.1	16.1	13.4	40.8	4.4 1
07_0008 SD or min- max	Cumin seeds	Jira	1.00	(402) 1680	10.0 2.2 4	18.3 0.5 4	17.6 3.4 4	37.2	10.5	6.4
07_0009 SD or min- max	Fennel seeds	Mauri	1.00	(329) 1360	8.3 0.5 3	15.8 0.0 3	14.9 0.0 3	13.0	39.8	8.2 8.2-8.2 2
07_0010 SD or min- max	Fenugreek seeds	Methi	1.00	(330) 1380	10.7 2.6 3	21.8 1.5 3	6.9 6.4-7.4 2	32.8	24.6	3.2 3-3.4 2
07_0011 SD or min- max n	Ginger root, raw	Ada	0.86	(72) 303	81.1 3.2 4	1.9 0.3 4	0.8 0.1 4	13.3	2.0	0.9 0.2 3
07_0012 SD or min- max	Indian pennywort, raw	Thankuni pata	0.90	(37) 152	84.5 3.7 7	2.3	0.5 0.4 6	1.6	8.7	2.6 0.8 3
07_0013 SD or min- max n	Lemon grass, raw	Lemon ghas	0.65	(116) 490	70.3 5.1	1.4 0.9-1.8 2	0.9 0.5-1.3 2	[25.5]		2.0 1.8-2.1 2
07_0014 SD or min- max	Lemon peel, raw	Lebur khosa	1.00	(65) 272	77.8 7.6 4	1.6 0.2 4	0.4	8.7	10.6	1.0 0.7 3
07_0015 SD or min- max	Mace, ground	Jayitri, gura	1.00	(415) 1720	15.9	0.5	24.4	33.1	18.5	1.6

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
07_0001	Bay leaf, dried	834	43.0	120	113	529	23	3.70	0.42
07_0002 SD or min- max	Cardamom	130	[4.6]	173	160	976	16	2.81	0.47
07_0003 SD or min- max	Chilli, red, dry	160	2.3	152	293	2010	30	2.48	0.37
07_0004	Cinnamon, ground	1000	8.3	60	64	431	10	1.83	0.34
07_0005 SD or min- max	Cloves, dried	740	4.9	215	86	847	230	1.93	0.31
07_0006 SD or min- max	Coriander leaves, raw	160 41 3	1.4	34 28-39 2	30 1	396	1 58	0.32	0.14
07_0007 SD or min- max	Coriander seed, dry	630	17.9	322	398	1230	34	4.58	0.95
07_0008 SD or min- max	Cumin seeds	1020 76 4	44.5 27.9 4	404 62 3	507 7 3	1380 404 3	148 21 3	3.89 1.10 3	0.96
07_0009 SD or min- max	Fennel seeds	1200 2 3	16.4 3.6 3	387 3 3	495 13 3	1680 20 3	88 0 %	3.70 0.00 3	1.07 0.00 2
07_0010 SD or min- max	Fenugreek seeds	155 23 3	23.6 9.7 3	181 170-191 2	318 296-340 2	710 650-770 2	55 43-67 2	4.70 2.5-6.9 2	1.46 1.11-1.8 2
07_0011 SD or min- max	Ginger root, raw	17 2 4	1.1 1.0 4	40 5 3	32 4 4	387 49 3	12 1 3	0.36	0.17
07_0012 SD or min- max	Indian penny wort, raw	119 24 3	3.2 2.8-3.7 2	56 50-62 2	45	508	[200]	1.84 1.25-2.43 2	0.30 0.08-0.51 2
07_0013 SD or min- max	Lemon grass, raw	50 34-65 2	2.8	60	30	196	0 1	0.60	0.08
07_0014 SD or min- max	Lemon peel, raw	[306] 275 4	0.9 0.1 3	15 0 3	12 0 3	160 0 3	9 0 m	0.25	0.09
07_0015 SD or min- max n	Mace, ground	180	12.6	213	100	424	73	1.26	1.56

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcq)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
07_0001	Bay leaf, dried	309	0 -	[3710]	0 -		0 -		8.6		180	46.5
07_0002 SD or min- max	Cardamom	0	0	Ė	0		0.22	0.17	[0.8]	0.230	4	0
n 07_0003 SD or min- max	Chilli, red, dry	747	0	1 8960	0	[19.71]	0.93 1-1	0.43 0.43-0.43	1 [8.7]	1 2.450	106	1 47.4 4.5
07_0004	Cinnamon, ground	15	+ O +	177	10 -	2.32	0.02	0.04	1 [1.3]	0.158	1 9 -	ε 8. ε 8. ε
07_0005 SD or min- max	Cloves, dried	9	40 -	99	10 -	[6.04]	0.08	0.13	1.3]	0.324	21	- 0
07_0006 SD or min- max	Coriander leaves, raw	132	1 0 1	1590	1 0 1	2.50	0.05 0.05-0.05 2	0.06 0.05-0.06 2	[1.1]	0.149	62	105.7 39.1 5
07_0007 SD or min- max	Coriander seed, dry	0	0 1	0	0		0.22	0.35	[2.1]		0 1	0 1
07_0008 SD or min- max	Cumin seeds	64	0 1	762	0 1	[3.33]	0.58	0.35 0.02 4	[3.6] 2.6-4.58 2	0.435	10	7.7
07_0009 SD or min- max	Fennel seeds	7	0-0-0	1 84	0 1		0.41 0.00 3	0.35	11.6	0.470		0 1
07_0010 SD or min- max	Fenugreek seeds	∞	0 0-0	100	0 1		0.33	0.34	5.8	0.600	64 57-71 2	Ţ [[]
07_0011 SD or min- max n	Ginger root, raw	0	0-0-0	0	0 1	[0.26]	0.03	0.03	1.0	0.160	11 11-11 2	C 0.8
07_0012 SD or min- max	Indian penny wort, raw	108	0 1	[1300]	0 1		0.09	0.10 0.1-0.1	[1.2]			24.0 9.5 4
07_0013 SD or min- max	Lemon grass, raw	ო	0 0-0	35	0 1		0.06 0-0.07 2	0.08 0-0.14 2	1.4]	0.080	75	1.8
07_0014 SD or min- max	Lemon peel, raw	m	00 %	41	0 1	[0.25]	0.00	0.08	9.0	0.172	13	129.3 0.6 3
07_0015 SD or min- max	Mace, ground	30	0 1	[361]	1 0		0.25	0.42	1.4]	0.150	70	0 4

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
07_0016 SD or min- max	Nutmeg, dried	Jayfol	0.85	(480) 1980	14.3	7.5	36.4	21.1	19.0	1.7
07_0017 SD or min- max	Pepper, black	Golmorich	1.00	(302) 1260	11.7 1.4 4	11.8 0.8 4	3.3	43.5	25.3	4.4 0.1
07_0018 SD or min- max	Poppy seeds	Posto dana	1.00	(523) 2160	5.7 1.3 3	17.2 1.7 3	43.1 41.6-44.7 2	8.8	19.5	7.7
07_0019 SD or min- max	Spearmint leaves, fresh	Pudina pata	0.45	(35) 143	87.4 1.7 5	3.0 0.3 5	0.7	9.0	6.9	1.4 1.2-1.6 2
07_0020 SD or min- max	Turmeric, dried	Holud	1.00	(335) 1400	11.5 1.6 3	6.9 0.8 3	8.4 7-9.9 2	47.3	21.1	4.8 3.5-6 2

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
07_0016 SD or min- max	Nutmeg, dried	120	4.6	229	240	320	15	1.22	0.71
		1	1.0	1	1	1	1	1.00	1.00
07_0017	Pepper, black	443	16.7	185	167	1280	36	1.34	1.20
SD or min- max n		13	8.7	33	დ м	3	20-44	0.13	0.12
07_0018	Poppy seeds	1490	9.6	339	860	710	24	9.05	1.63
SD or min- max n		82 3	9.4-9.8	331-347 2	849-870 2	700-719 2	21-26 2	7.9-10.2 2	₽
07_0019	Spearmint leaves, fresh	110	15.6	42	62	355	30	1.76	0.15
SD or min- max		,	,	,	,	,	,	,	-
07 0020	Turmeric, dried	168	33.2	192	279	2720	35	3.78	0.80
SD or min- max		17	12.7	190-193	268-290	2525-2910	31-38	3.2-4.35	0.6-1.0
С		ဇ	8	2	2	2	2	2	2
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Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	vitamin D (mcg)	Vitamin E (mg)	E Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
07_0016 SD or min- max	Nutmeg, dried	5	0	61	0	0	0.33		[1.4]	0.146		0
c			П		Т	1.00	1.00		1.00	1	П	1.0
07_0017	Pepper, black	27	0	329	0	0.72	0.11		[1.1]	0.340	14	0
SD or min- max n			0-0		1	н	0.00		н	н	10-17	0-0
07_0018	Poppy seeds	0	0	0	0	2.72	0.85		5.1		82	1
SD or min- max n			0-0		н	Н	0.85-0.85				Н	Н
07_0019	Spearmint leaves, fresh	62	0	[740]	0	2	60.0		[6.9]		114	22.0
SD or min- max n			н	1	Н	Н	н		н		1	15.9-28 2
07_0020	Turmeric, dried	⊣	0	[15]	0	[3.1]	0.09		[4.4]		39	0
SD or min- max			•		•	•	90:0		3.7-5.1		•	•
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08 Fruits

Botanically, a fruit is a matured ovary of a flowering plant including the seed (or seeds) and any part of the plant that is attached to it. Fruits which conform strictly to this definition include nuts, legumes, berries and drupes. Botanists also regard peas, tomatoes, peppers and cucumbers as fruits. However, fruits are generally regarded as the succulent parts of plants which are characterized by a sweet or acid taste and a distinct flavour.

The taste of a fruit is a subtle blend of sweetness and acidity delicately complemented by the flavour of the particular fruit. Fruits are sweet because of the presence of abundant quantities of sugars which are formed when a fruit ripens, and, if 'fruit acids' are present in combination with sugars, they will produce a sharp taste. Therefore, the relative amount of sweet and acids present largely determines whether a particular fruit is sweet or sour.

Most fruits consist largely of water; hence their nutrient content is low. However, fruits are a good source of vitamin C and minerals. Guava, citrus fruits, hog plum or *amra*, jujube or *boroi* and many local sour fruits are rich sources of vitamin C in the Bangladeshi diet. Yellow fruits like mango and papaya in addition contain beta carotene. Banana is a good source of carbohydrate and hence energy.

Fruits also contain cellulose, hemicelluloses and pectins which provide bulk to the diet and help bowel movement. However, seasonal fruits must be encouraged to provide vitamin C and beta carotene in the diet.

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
08_0001 SD or min- max	Apple, without skin, raw	Apel, khosa chara	0.77	(51) 215	86.7	0.3	0.1	11.5	1.3	0.2
08_0002 SD or min- max	Apple, with skin, raw	Apel, khosa soho	0.90	(62) 262	83.3 81-85.6 2	0.3	0.2 0.1 3	13.5	2.4	0.2 0.19-0.3 2
08_0003 SD or min- max	Asian pears, raw	Nashpati	0.85	(62) 259	83.0	0.6	0.3	12.3	3.6	0.2
08_0004 SD or min- max	Banana, Sagar, ripe, raw	Kola, Sagar, paka	0.74	(95) 400	75.2	1.3	0.8	19.2	5.6	0.8
08_0005 SD or min- max	Breadfruit, raw	Madar	0.78	(70) 293	79.5	1.5	0.2	13.0	4.9	0.9
08_0006 SD or min- max	Bullocks Heart, ripe, raw	Nona ata	0.72	(81) 340	76.8		0.2	15.7	[5.2]	0.7
08_0007 SD or min- max	Carambola, raw	Kamranga	1.00	(41) 172	88.7 3.8 6		0.7 0.56-0.87 2	6.7	2.8	0.5 0.4-0.7 2
08_0008 SD or min- max	Custard apple, raw	Atafol	0.45	(85) 357	76.1 2.1 3		0.3 0.1 3	16.6	4.4	0.9
08_0009 SD or min- max	Dates, dried	Khorma	0.75	(301) 1270	18.0	2.2 2.2-2.2 2	0.6	67.5	1 8.3	3.4
08_0010 SD or min- max	Dates, raw	Khejur, paka, taza	0.75	(150) 636	59.2	1.2	0.4	33.4	1.1	1.7
08_0011 SD or min- max	Elephant apple, ripe, raw	Kodbel	0.75	(64) 271	80.9 4.4 3	3.1 0.8 3	0.4 0.3 3	10.3	3.5 2.1-5 2	1.8 1.4-2.2 2
08_0012 SD or min- max	Emblic, raw	Amloki	0.89	(44) 186	86.7 4.9	0.8 0.2 3	0.1 0.0 3	8.3	[3.4]	0.7
08_0013 SD or min- max n	Fig, ripe, raw	Dumur, paka	0.99	(40) 168	88.1	1.3	0.2	6.7	3.1	0.6
08_0014 SD or min- max	Grapes, green, raw	Angur, halka sobuj	0.95	(94) 398	75.3	0.5	0.6	20.2	[2.9]	0.5
08_0015 SD or min- max	Guava, green, raw	Peyara, bivinno projati, kancha	1.00	(63) 265	81.4 2.8 42	1.0 0.3 3	0.5	10.9	5.4	0.7 0.1 15
08_0016 SD or min- max	Hog plum, raw	Amra	0.65	(51) 213	3.1	1.1	0.8	თ. 8	[1.6] 1.0	0.0
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Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
08_0001	Apple, without skin, raw	2	0.1	4	11	06	0	0.05	0.03
ם ט ט ט פוווין ווומא		П	1	1	П	1	1	1	П
08_0002 SD or min- max	Apple, with skin, raw	9	0.1	Ŋ	11	107		0.04	0.03
c		1	1	1	1	1	+	Н	1
08_0003 SD or min_may	Asian pears, raw	9	0.5	80	11	131	9	0.08	90.0
S C C		1	1	1	1	1	1	1	1
08_0004	Banana, Sagar, ripe, raw	11	0.3	23	36	411	10	0.24	0.09
SU or min- max		1	н	Н	Н	Н	1	ц	н
08_0005 SD or min- max	Breadfruit, raw	40	0.5	25	30	490	2	0.12	0.08
L		1	1	1	1	1	П	1	1
08_0006 SD or min- max	Bullocks Heart, ripe, raw	10	9.0		10	495	9		
			1 0	(1	1 6	н.		0
08_0007 SD or min- max	Carambola, raw	10 6	0.8 0.6	19 18-20	23	128	4	0.38	0.12
		0 4	ີ່; ຕ	2	1	2	1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2
8000_80	Custard apple, raw	17	1.0	25	47	366	6	0.33	60.0
SD or min- max n		2 4	0.3 4	Н	т	н	т	0.25-0.4	0.08-0.1
6000 80	Dates, dried	63	1.9	24	92	824	14	0.40	0.24
SD or min- max n		63-63 2	Т	+	н	1	Ħ	н	н
08_0010	Dates, raw	22	1.0	12	38	410	7	0.20	0.12
SD or min- max		+	(Ħ	+	-	H	+	+
08 0011	Elephant apple, ripe, raw	74	0.7	40	64	360	2	0.37	0.24
SD or min- max		28	0.1	-	÷		F	0.1-0.65	0.08-0.39
08_0012	Emblic, raw	32	6.0	28	25	225	4 4	0.30	0.12
SD or min- max n		ოო	0.5	Н	т	н	т	т	т
08_0013	Fig, ripe, raw	80	[1.1]	17	31	232	п	0.15	0.07
SU OF MIN- MAX		Н	ħ	1	1	1	1	1	1
08_0014	Grapes, green, raw	22	0.5	82	30	191	2	0.07	0.13
SD of fillip- filex		1	1	Н	1	1	1	1	н
08_0015	Guava, green, raw	17	0.7	25	18	261	9	0.31	0.15
SD or min- max		∠ 'C	0.7	23-27	17-18	76 3	-	0.3-0.32	0.11-0.2
08 0016	Hog plum, raw	57	2.8	40	11	175	-	0.17	0.11
SD or min- max		6	1.9	38-41		155-195		0.14-0.2	0.11-0.12
u		2	ဇ	2	1	2	1	2	2

				Reta-carotene					Niacin			
Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
08_0001	Apple, without skin, raw	2	0	24	0	[0.05]	0.02	0.03	[0.1]	0.037	0	4.0
))) (1		1	1	1	Т	1	1	1	1
08_0002 SD or min- max	Apple, with skin, raw	ო	0-0-	33	0 1	[0.18]	0.09	0.03	[0.1]	0.041	æ τ	4.0 0.6 3
08_0003 SD or min- max	Asian pears, raw	0	0 -	0	0 -	[0.12]	0.03	0.03	[0.2]	0.022	∞ -	8
08_0004 SD or min- max	Banana, Sagar, ripe, raw	2	40 -	21	- 0	0.75	0.05	0.08	6:0	0.105	20	1.0
08_0005 SD or min- max	Breadfruit, raw	2	- 0	- 74	- 0	[0.10]	0.04	0.07	[6.9]	0.100	14 -	21.0
	Bullocks Heart, ripe, raw	П	0 1	13	1 0 1	1	0.11	0.07	[0.6]	1		5.0
08_0007 SD or min- max n	Carambola, raw	7	0 1	80	0 1	[0.15]	0.12	0.04	0.5	0.017	12	49.4 17.5 4
08_0008 SD or min- max	Custard apple, raw	0	0 1	4	0 1		0.07 0.07-0.07 2	0.14 0.14-0.14 2	6.0	0.200	14	38.0 37.3-38 2
08_0009 SD or min- max n	Dates, dried	ო	0 1	36	0 1	[0.08]	0.10 0.1-0.1 2	0.14	3.2	0.170	20	0.4
08_0010 SD or min- max	Dates, raw	2	0 1	18	0 1	[0.05]	0.06	0.07	1.4		25	14
08_0011 SD or min- max n	Elephant apple, ripe, raw		0 1		0 1		0.80	0.03 0.02-0.03 2				12.8 12.5-13 2
08_0012 SD or min- max n	Emblic, raw	Н	0 1	o	0 1		0.02 0.02-0.02 2	0.08 0.08-0.08 2	[0.2]			453.4 17 3
08_0013 SD or min- max n	Fig, ripe, raw	7	0 1	85	0 1	[0.11]	0.06	0.05	0.5	0.06	1 ک	5.0
08_0014 SD or min- max	Grapes, green, raw	ო	0 1	33	0 1	0.40	0.10	0.06	0.3	0.062	8 4	29.0
08_0015 SD or min- max n	Guava, green, raw	33	0 1	390	0 1	[0.73]	0.21 0.21-0.21 2	0.09 0.09-0.09 2	1.2	0.11	49	228.3
08_0016 SD or min- max	Hog plum, raw		0 1		0 1		0.28 0.28-0.28 2	0.04 0.04-0.04 2	[0.3]			77.0 40.5 5

08_0017 Ja SD or min- max 08_0018 Ja SD or min- max 08_0019 Ja SD or min- max 08_0020 Ja SD or min- max	Jackfruit, ripe, raw Jambolan, raw		, , , , , , , , , , , , , , , , , , , ,		ì				fibre (g)	(6)
nax nax	mbolan, raw	Kathal, paka	0.37	(74) 312	77.0	1.2	0.2	13.3	7.2	1.1
пах пах		Kalojam	0.81	(39) 164	88.2 4.8 5	0.9 0.2 4	0.5 0.2 4	6.1	3.5. 1	0.8 0.6
лах	Jambos, raw	Jamrul	1.00	(40) 169	89.5 89.1-89.9 2	0.7	0.3	8.0	[1.2]	0.3
_	Java apple, raw	Golapjam	1.00	(35) 149	89.9 89.8-89.9 2	0.7	0.2	6.9	[1.6]	0.8
08_0021 Ju SD or min- max	Jujube, raw	Boroi	0.85	(60) 254	84.3 9.8 3	1.9	0.2 0.1-0.3 2	12.6		1.0
08_0022 Le SD or min- max	Lemon, Kagoji, raw	Lebu, Kagoji	92.0	(56) 234	86.0 84.6-87.4 2	0.8 0.6 3	1.0 1-1 2	10.2	[1.3]	0.7
08_0023 Lir SD or min- max	Lime, sweet, raw	Mushambee	0.70	(42) 177	89.3 88.4-90.2 2	0.7 0.6-0.8 2	0.5 0.3-0.6 2	8.5	[0.5]	0.6 0.4-0.7 2
08_0024 Ly SD or min- max	Lychee, raw	Lichu	0.68	(62) 259	81.8 1.3 12	1.4 0.3 13	0.5 0.2 13	10.2	5.5 0.8 10	0.6
08_0025 Ma SD or min- max	Mango, Fazli, orange flesh, ripe, raw	Aam, Fazli, paka	0.69	(70) 297	81.7 81.3-82.1 2	0.9	0.5	14.7	1.6	0.6
08_0026 Ma SD or min- max	Mango, Langra, yellow flesh, ripe, raw	Aam, Langra, paka	69.0	(82) 348	78.4	0.8	0.4	18.0	1.6	0.8
08_0027 Me SD or min- max	Melon, Futi, orange flesh, ripe, raw	Futi, paka	06:0	(17) 73	95.0 94.9-95 2	0.3 0.2-0.4 2	0.2 0.2-0.3 2	3.1	1.0	0.6 0.3-0.9 2
08_0028 Mon SD or min- max	Monkey-jack, yellowish-orange flesh, raw	Dewa	0.71	(103) 435	72.3 11.8 3	1.2 0.7 3	0.7	21.1	3.6	1.0
08_0029 Mt SD or min- max	Muskmelon, Bangee, light orange flesh, ripe, raw	Bangee, paka	0.90	(16) 67	95.5 95.2-95.8 2	0.3	0.5	2.8	0.8	0.4
08_0030 Or SD or min- max	Orange juice, raw (unsweetened)	Komolar ross	1.00	(6) 38	97.7	0.2	0.1	1.7	0.2	0.1

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
08_0017	Jackfruit, ripe, raw	13	0.3	42	41	268	Т	0.59	0.03
ח ח		1	1	1	1	1	1	1	1
08_0018	Jambolan, raw	23	8.0	37	16	172	28	0.21	0.07
SD or min- max		е ч	0.8	21	12-20	79	,	0.11-0.3	0.06-0.08
08 0019	Jambos, raw	, თ	0.3	9 4	30	104	34	80:0	0.02
SD or min- max		8-10	0.1-0.5	н	₽	₽	₩	₽	Н
08_0020	Java apple, raw	10	0.3	23	18	143	9	0.39	0.58
SD or min- max n		4-15 2	H	22-23 2	H	65-221 2	3-9	0.2-0.58	0.41-0.74
08_0021	Jujube, raw	14	0.8	25	33	354	7	0.32	0.15
SD or min- max		0 4	0.9	17-32	28-38	325-382 2	3-10	0.12	0.05
08 0022	Lemon, Kagoji, raw	65	0.3	11	10	377	2	0.07	90.0
SD or min- max		40-90	0.3-0.3	-	·	-	-	-	-
08 0023	Lime, sweet, raw	35	0.5	4 00	23	490	2	0.10	0.17
SD or min- max		29-40	0.3-0.7		16-30				
c		2	2	1	2	1	1	1	1
08_0024	Lychee, raw	11	0.5	15	17	131	⊣	0.27	0.20
SD or min- max		п 4	0.3	5-24	16-19 2	3 38	₽	0.23-0.3 2	0.07
08_0025	Mango, Fazli, orange flesh, ripe, raw	14	0.5	15	20	205	п	0.87	0.17
SD or min- max		,	,	,	,	,		,	-
08 0026	Mango, Langra, vellow flesh, ripe, raw	. <u>(</u>	7 0 2	15	16	181	0.4	0 60	0 79
SD or min- max		} -	; ;	} -	} -	· -	; ;		<u>;</u> -
08 0027	Melon Euti orange flesh rine raw	17	0.0	- 21	14	211	+ C*	J 0	900
SD or min- max		6-28	1	1	+	1117	þ	9	
۵		2	1	1	17	1	1	+	1
08_0028	Monkey-jack, yellowish-orange flesh, raw	22	8.0	24	23	348	[46]	1.68	1.05
SD or min- max n		47-67 2	н	т	1	П	↔	н	0.8-1.31 2
08 0029	Muskmelon, Bangee, light orange flesh,	21	Ļ	20	35	130	2	0.06	60.0
SD or min- max	ripe, raw	10-32							
u		2	1	1	1	1	1	1	1
08_0030	Orange juice, raw (unsweetened)	വ	0.7	∞	13	150	10	0.05	0.04
SD or min- max		1	1	1	1	1	1	Н	Ħ

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
08_0017	Jackfruit, ripe, raw	2	0	[28]	0	[0.11]	0.11	0.05	[6.0]	0.313	24	3.4
ם מוווי ווומא			Н	1	1	1	Н	1	Н	Н	1	Н
08_0018 SD or min- max	Jambolan, raw	63	0 -	[1110]	0 -		0.09	0.02	[0.2]	0.038		74.1 45.0
08_0019 SD or min- max	Jambos, raw		0 -		0 -		0.01	0.05	[0.4]			22.3
08_0020 SD or min- max	Java apple, raw	2	- ٥٠	[22]	40 -	0.19	0.03	0.01	[0.3]			40.2
08_0021 SD or min- max	Jujube, raw	2	0 1	24	0 1		0.02	0.06 0.05-0.06 2	1.0	0.081		66.1 15.5 13
08_0022 SD or min- max	Lemon, Kagoji, raw	4	0 1	45	0 1	0.80	0.02	0.03 0.03-0.03 2	0.2	0.052 0.043-0.06 2	17 8-32 2	45.9 12.5 4
08_0023 SD or min- max n	Lime, sweet, raw	2	0	25	0 1	[0.22]	0.04	0.03	[0.2]	0.08	11	48.5 47-50 2
08_0024 SD or min- max	Lychee, raw	0	0 1	0	0 1		0.02 0.02-0.02 2	0.06 0.06-0.06 2	0.7			11.0 10.9 13
08_0025 SD or min- max	Mango, Fazli, orange flesh, ripe, raw	292	0	[3510]	0	1.12	0.03	0.04	9.0	0.134	71	34.7
u	:		П	1	П	1	Т	П		П	1	e .
08_0026 SD or min- max	Mango, Langra, yellow flesh, ripe, raw	25	0 1	[300]	0 1	0.92	0.09	0.10	9.0	0.162	71	103.0
08_0027	Melon, Futi, orange flesh, ripe, raw	105	0	1260	0	0.07	0.11	0.08	0.5	0.056	21	33.9
ב מון ב			Н		П	9. es	1	П		2	o m	1
08_0028 SD or min- max	Monkey-jack, yellowish- orange flesh, raw	310	0 1	3720	0 1		0.03	0.23	[0.5]			65.6 91.4 3
08_0029 SD or min- max	Muskmelon, Bangee, light orange flesh, ripe, raw	4	0 1	43	0 1	0.07	0.11	0.08	0.5	0.056	21	26
08_0030 SD or min- max	Orange juice, raw (unsweetened)	7	0	24	0	0.17	90.0	0.02	0.3	0.048	9	64
c			1		1	П	1	Н		П	Н	1

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
08_0031 SD or min- max	Orange, raw	Komola	0.67	(44) 186	87.7 86-89.4 2	0.7	0.2 0.1-0.3	8.7	2.4	0.3
08_0032 SD or min- max	Orange, sweet, ripe, raw	Malta, paka	0.67	(49) 208	86.3	0.2	0.1	10.7	2.4	0.3
08_0033 SD or min- max	Palmyra palm, cotyledon, raw	Kochi taal er shas		(31) 133	92.0 91.6-92.3 2	0.6	0.1	6.9	[0.3]	0.2
08_0034 SD or min- max	Palmyra palm, pulp, orange flesh, ripe, raw	Taal, paka	0.35	(78) 332	79.7	0.5	0.4	17.8	0.7]	0.9
08_0035 SD or min- max n	Papaya, ripe, raw	Pepe, paka	0.75	(33) 139	90.5 1.4 4	0.6	0.1 0.1 3	6.5	1.7	0.6 0.5-0.7 2
08_0036 SD or min- max	Persimmon, ripe, raw	Gab, Bilati, paka	0.84	(67) 284	81.2 4.9 6	0.7	0.2	13.9	3.6	0.5
08_0037 SD or min- max	Pineapple, Joldugee, ripe, raw	Anaros, Joldugee, paka	0.60	(43) 181	88.7 85.1-92.4 2	0.8 0.2 3	0.4	8.3	1.4	0.3 0.2-0.5 2
08_0038 SD or min- max	Pineapple, ripe, raw	Anaros, paka	0.62	(47) 197	87.2 3.2 4	1.0 0.1 5	0.1	9.7	1.4	0.6
08_0039 SD or min- max	Pomegranate, ripe, with seed, raw	Bedana, paka, bichi soho	0.80	(67) 283	80.9	1.6 1.6-1.6 2	0.2	12.7	4.0	0.6
08_0040 SD or min- max	Pomelo, raw	Zambura	0.77	(38) 159	89.9 1.8	0.4	0.3	7.7	1.0	0.6
08_0041 SD or min- max	Tamarind, pulp, ripe, raw	Tetul, paka	0.41	(270) 1140	27.9 5.4 7	3.2 0.8 7	0.4 0.2 6	60.8	5.1	2.6 0.2 6
08_0042 SD or min- max	Watermelon, ripe, raw	Tarmuz, Ial, paka	0.78	(22) 93	94.2 1.4 3	0.5 0.2-0.7 2	0.2	4.4	0.4	0.3-0.4
08_0043 SD or min- max	Wood apple, ripe, raw	Bel, paka	0.64	(111) 469	68.5 8.6 4	2.9 0.5 3	0.3 0.2-0.3 2	20.9	7.0	0.6 0.2-0.9 2

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
08_0031	Orange, raw	23	0.2	17	25	132	വ	0.07	0.03
SD or min- max		2 4	0.1	\leftarrow		103-161	1	1	€1
08_0032	Orange, sweet, ripe, raw	31	0.1	10	14	181	2	0.07	0.05
SD or min- max n		Ħ	1	н	1	1	1	н	П
08_0033	Palmyra palm, cotyledon, raw	43	0.5		20				
SD or min- max n		1	1		П				
08_0034	Palmyra palm, pulp, orange flesh, ripe, raw	16	1.7	14	28	239	2	0.27	0.13
SD or min- max		13	3.3	14-15 2	3	102-376	г	0.16	0.08-0.18
08 0035	Papaya, ripe, raw	29	0.3	10	11	182	4	0.17	0.03
SD or min- max n		യ ഗ	0.2	7-14 2	₽	79	₽	0.15-0.2	0.02-0.04
98_0036	Persimmon, ripe, raw	24	0.2	15	17	180	S	0.07	0.14
SD or min- max n		18 6	0.1	യന	വവ	25 3	നന	0.04	0.04
08_0037	Pineapple, Joldugee, ripe, raw	20	1.6	12	7	122	42	09:0	0.24
SD or min- max n		4 ε	₽	₽	↔	H	ᆏ	ᆏ	П
08_0038	Pineapple, ripe, raw	18	0.7	32	6	175	13	0.22	0.12
SD or min- max n		7 6	0.5	15 3	1	54	18 3	0.19-0.25	0.06-0.19
08_0039	Pomegranate, ripe, with seed,	21	0.3	44	70	133	П	0.82	0.34
SD or min- max n	Iday	21-21 2	₽	н	н	н	₽	Н	Н
08_0040	Pomelo, raw	36	0.2	15	21	235	н	90.0	90.0
SD or min- max n		п 4	0.1	H	H	229-242 2	ᆏ	0.03-0.09	0.05-0.08
08_0041	Tamarind, pulp, ripe, raw	127	4.0	98	120	700	19	0.11	0.09
SD or min- max n		49 5	3.2	12 4	42 5	132	11	0.1-0.11 2	0.09-0,09
08_0042	Watermelon, ripe, raw	12	0.4	11	12	107	17	0.15	0.12
SD or min- max n		t1 4	0.3-0.5	4-18 2	₽	104-110 2	3-32	0.04	0.08
08_0043	Wood apple, ripe, raw	41	0.4	13	50	493	7	0.26	0.15
SD or min- max		17	0.2	15	÷	428-558	÷	0.16	0.09-0.2
:)	r	,	1	ı	1	,	ı

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
08_0031	Orange, raw	19	0	224	0	0.24	0.04	0.01	0.5	0.082	30	54.0
SD or min- max n			Н		н	Н	0.04-0.04	0.01-0.01 2		Н	1	40-68 2
08_0032	Orange, sweet, ripe, raw	11	0	135	0	[0.18]	0.15	0.01	0.4	0.082	46	54.0
SD or min- max n			1		Н	н	н	1		П	1	1
08_0033	Palmyra palm, cotyledon, raw		0		0		0.01	0.01	[0.2]			4.0
SD or min- max n			1		н		н	1	П			1
08_0034	Palmyra palm, pulp, orange flesh, ripe, raw	208	0	[2500]	0		0.04	0.02	[0.3]			35.1
SD or min- max n			Н	1	н		н	1	н			1
08_0035	Papaya, ripe, raw	09	0	721	0	[0.3]	0.08	0.03	0.5	0.019	28	61.8
SD or min- max n			Н		₽	₽	0.08-0.08	0.03-0.03		Н	H	П
08_0036	Persimmon, ripe, raw	81	0	977	0	1.8	0.03	0.14	0.3	0.03	80	12.8
SD or min- max n			0-0		ᆏ	ᆏ	0.03-0.03	0.24		Н	8-8	13.7
08_0037	Pineapple, Joldugee, ripe,		0		0	0.1	0.11	0.04	0.4	0.09	12	20.9
SD or min- max n			Н		ᆏ	н	0.11-0.11	0.04-0.04		н	н	5.8
08_0038	Pineapple, ripe, raw	2	0	61	0	0.1	0.20	0.12	0.4	0.09	12	33.9
SD or min- max n			1		1	1	1	П		1	н	36.0
68_00_80	Pomegranate, ripe, with seed. raw	ю	0	33	0	[0.6]	0.02	0.10	0.5	0.105	38	26.0
SD or min- max n			Н		ᆏ	ᆏ	0.02-0.02	н		Н	H	26-26 2
08_0040	Pomelo, raw	က	0	40	0	0.24	90.0	0.04	0.3	0.036	[56]	121.7
SD or min- max n			1		1	1	0.06-0.06	0.04-0.04		1	1	28.9
08_0041	Tamarind, pulp, ripe, raw	Н	0	16	0	[60.0]	0.35	0.12	1.9	0.068	15	11.2
SD or min- max n			0 20		0-0	Н	0.09	0.04		0.07-0.07	14-15 2	17.5 5
08_0042	Watermelon, ripe, raw	59	0	352	0	0.05	0.02	0.04	0.3	0.045	က	23.9
SD or min- max n			1		н	н	Н	1		1	1	25.0 3
08_0043	Wood apple, ripe, raw		0		0		0.03	0.02	[1.1]			11.3
SD or min- max n			Н		Н		0.03-0.03 2	0.02-0.02 2	Н			3.8
					80							

09 Fish, shellfish and their products

Fish is an integral part of a healthy human diet. It's of value mainly as a rich source of easily metabolizable protein, the amount and quality of protein in fish and shellfish being similar to that in lean meat. Omega-3 fatty acids in fish play an important role in supporting our skin, heart, blood pressure, brain, eyes, kidneys and other body systems.

Small sized indigenous fishes are a valuable and easily available source of protein, oil and minerals for the rural people in Bangladesh. As many small fish species are eaten whole, with head, viscera and bones they are particularly rich in bioavailable calcium. Some are also rich in vitamin A, iron and zinc. Sea fish are a valuable source of iodine. Both sweet water and marine fishes are valuable sources of the fat-soluble vitamins A and D, fish-liver oil being exceptionally good sources of these vitamins. They also contain good amounts of B complex vitamins.

Apart from being preserved by freezing, canning, drying and smoking, fish is also converted into a number of convenience products such as fish fingers, fish cakes and fish spreads. Sea fish which is sun-dried and known as *Shutki* is very popular across the country.

epoo	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
09_0001 SD or min- max	Anchovy, Gangetic hairfin, dried	Fesha, shutki	1.00	(328) 1390	10.3	70.9	4.9	0	0 -	11.9
09_0002 SD or min- max	Anchovy, Gangetic hairfin, raw	Fesha	1.00	(105) 441	74.8 74-75.6 2	17.7 17.1-18.4 2	3.8	0	1 0 1	3.0 2.5-3.6 2
09_0003 SD or min- max	Anchovy, Gold spotted grebadier, raw	Olua		(71) 301	79.9 1.3 3	13.2	2.1	0	0 1	3.3
09_0004 SD or min- max	Anchovy, Scaly hairfin, raw	Fesha, Teli	1.00	(101) 427	75.3	19.3	2.7	0	0 1	2.8
09_0005 SD or min- max	Barb, Olive, raw	Sorpunti		(175) 729	70.6 4.1 8	17.4 1.8 7	11.7 3.7 6	0	0 1	1.7 0.4 5
09_0006 SD or min- max	Barb, Olive, without bones, raw	Sorpunti, kata chara	0.54	(175) 729	70.6 4.1 8	17.4 1.8 7	11.7 3.7 6	0	0 1	1.3 1.1-1.5 2
09_0007 SD or min- max	Barb, Pool barb, eyes included, raw	Punti, Vadi punti, chokh soho		(139) 582	71.6 71.6-71.6 2	17.6	7.6 7.6-7.7 2	0	0 1	4.9 4,8-4.9 2
09_0008 SD or min- max	Barb, Pool barb, without bones, eyes included, raw	Punti, Vadi punti, chokh soho, kata chara	0.77	(94) 395	76.6	17.6	2.6	0	0 1	1.4
09_0009 SD or min- max	Bata, raw	Bata	0.77	(106) 446	74.6 4.9 7	15.9 2.1 6	4.7 3.1 6	0	0 1	2.1 0.7 5
09_0010 SD or min- max	Boal, without bones, raw	Boal, kata chara	0.59	(80) 336	80.8 5.9 4	15.4 2.6 4	2.1 0.5	0	0 1	1.3
09_0011 SD or min- max	Bronze feather back, raw	Foli	0.79	(80) 340	75.8 73-78.6 2	17.8 15.8-19.8 2	1.0	0	0 1	2.7 2.5-2.8 2
09_0012 SD or min- max	Calbasu, without bones, raw	Kalbaush	0.90	(95) 400	76.7 3.0 9	17.0 2.1 9	3.0 2.1 9	0	0 1	1.2 0.1 4
09_0013 SD or min- max	Catfish, Bacha, raw	Bacha	0.76	(122) 512	72.2 68.8-75.6 2	16.1 14.1-18.1 2	6.4 5.6-7.3 2	0	0 1	2.2 1.4-3 2
09_0014 SD or min- max	Catfish, Pabda, raw	Pabda	0.61	(95) 398	73.7 3.7 4	17.3 15.3-19.2 2	2.8 2.1-3.6 2	0	0 1	2.3 1.0 3
09_0015 SD or min- max	Catla, raw	Katla	0.59	(103) 433	76.7 2.5 6	19.9 2.8 4	2.6 1.4 6	0	0 1	1.3 1.2-1.5 2

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
09_0001	Anchovy, Gangetic hairfin, dried	1680	18.0	138	772	982			0.71
ח ח		1	1	н	1	1			н
09_0002	Anchovy, Gangetic hairfin, raw	452	1.8	39	217	276	51	3.20	0.20
SD or min- max n		440-463 2	1.2-2.4 2	н	н	н	П	н	н
09_0003	Anchovy, Gold spotted grebadier, raw	449	4.5	38	238	276	09	1.25	60.0
SD or min- max n		377-522 2	2-6.9 2	Т	т	196-356 2	т	н	т
09_0004	Anchovy, Scaly hairfin, raw	327	2.3	38	175	338	40	1.60	0.20
		1	1	1	1	Н	П	1	1
9000 60	Barb, Olive, raw	227	9.0	21	151	267	43	0.74	0.03
SD or min- max n		10	9.0 9	ω 4	34	123 3	38-48 2	0.37 6	0.01
9000 60	Barb, Olive, without bones, raw	24	9.0	21	156	195	43	0.74	0.03
SD or min- max		12-35	9.0	мч	35	195-196	38-48	0.37	0.01
2000 60	Barb, Pool barb, eyes included, raw	296	2.6	,	620	203	53	3.0	0.07
SD or min- max		278	2.2-3		·		,	2.9-3.1	
8000 60	Barb, Pool barb, without bones, eyes	110	2.0	38	96	238	23	3.0	0:07
SD or min- max	included, raw		1-2.93						
u		1	2	1	1	1	1	1	1
09_0009 SD or min- max	Bata, raw	493 323	1 .2 0.1	33	200	201	83	0.94	0.17
п		2	2	Т	1	Н	П	1	1
09_0010 SD or min- max	Boal, without bones, raw	83	0.8	37	134	146	63	0.27	0.05
u		1	ъ	; m	, m	П	П	m	П
09_0011	Bronze feather back, raw	290	1.0	35	450	310	34	0.74	0.05
- C C		1	2	П	1	П	П	1	1
09_0012	Calbasu, without bones, raw	13	1.1	27	141	287	100	0.36	0.10
SD or min- max n		₽	0.2 5	w 4	20	н	1	0.10	н
09_0013	Catfish, Bacha, raw	520	0.7		360				0.11
SU or min- max n		520-520 2	0.7-0.7 2		п				н
09_0014	Catfish, Pabda, raw	267	1.2	18	266	353	105	1.25	60.0
SD or min- max n		33	3.2	t	220-321 2	t	t	1	1
09_0015	Catla, raw	530	9.0	36	235	293	56	0.48	0.03
SD or min- max			0.7	18				0.30	0.02-0.03
c		+	co.	4	₽	₽	₽	ო	2

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
09_0001	Anchovy, Gangetic hairfin, dried	15	15	0		[0.58]	0.19	0.86		0.482	30	Ė
n n		Ç	۲۰ (c		1 2 4 4 1	1 C	1 0	5 0	1 2 2 2 2 2	H (ti †
09_0002 SD or min- max n	Anchovy, Gangetic nairlin, raw	77	17	0		[0.44] 1	0.05 1	0.24	[13.3] 1	0.135	ກ ⊣	<u>.</u> 4
09_0003 SD or min- max	Anchovy, Gold spotted grebadier, raw						0.07	0.08	4.1	0.224		Ė
09_0004 SD or min- max	Anchovy, Scaly hairfin, raw	ω	ω ,	0		[0.32]	0.05	0.24	[13.0]	0.133	ω ,	다 그 .
09_0005 SD or min- max	Barb, Olive, raw		H			Н	0.02	0.07	[3.5]	0.329	н	- i -
09_0006 SD or min- max	Barb, Olive, without bones, raw						0.02	0.07	[3.5]	0.329		-
09_0007 SD or min- max	Barb, Pool barb, with eyes included, raw	29	57	[25]			0.01	0.03	[0.3]	0.262		<u>-</u>
09_0008 SD or min- max	Barb, Pool barb, without bones, eyes included, raw		1				0.01	0.03	[0.3]	0.262		· 卢 -
09_0009 SD or min- max	Bata, raw						0.08	0.10	5.2	0.285		₁ ¦
09_0010 SD or min- max	Boal, without bones, raw	⊣	₩ ↔	, ⊢			0.00	0.07	3.9	0.215		·
09_0011 SD or min- max	Bronze feather back, raw	30	30				0.12	0.08	[0.8]	0.271		⊢ ⊢
09_0012 SD or min- max	Calbasu, without bones, raw						0.05	0.07	4.1	0.112		·
09_0013 SD or min- max	Catfish, Bacha, raw							4	[0.5]			· <u>†</u>
09_0014 SD or min- max	Catfish, Pabda, raw						0.03	0.06	5.4	0.294		<u>†</u> +
09_0015 SD or min- max	Catla, raw	က	m 4	ļ 1	<u></u> 다		0.08	0.09	4.4	0.261		다 다

Poo	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
09_0016 SD or min- max	Chanda, Indian glaasy fish, eyes included, raw	Chanda, ranga, chokh soho	1.00	(115) 481	74.8 72.6-77 2	15.5	5.9 4.5-7.3 2	0	0 1	4.8 4.6-5 2
09_0017 SD or min- max	Climbing perch, indigenous, eyes included, raw	Koi, deshi, chokh soho	0.57	(130) 542	73.0	17.5 1.9 5	6.6	0	0 1	2.0
09_0018 SD or min- max	Climbing perch, Thai, without bones, eyes included, raw	Koi, Thai, chokh soho	0.57	(139) 581	73.0	17.5 1.9 5	7.7	0	0 1	1.5
09_0019 SD or min- max	Clown knife fish, without bones, raw	Chital, kata chara	0.80	(96) 405	77.3 1.7 5	17.8 0.9 5	2.8	0	0 1	1.0
09_0020 SD or min- max	Common carp, without bones, raw	Common carp, kata chara	0.54	(88) 374	79.0	18.7	1.5 1.4-1.6 2	0	0 1	1.2
09_0021 SD or min- max	Croaker, Black spotted, without bones, raw	Poa, kata chara	0.49	(100) 422	75.8 1.6 6	18.6 3.7 4	2.9 0.5 5	0	0 1	1.2
09_0022 SD or min- max	Day's mystus, combined species, eyes included, raw	Tengra, bivinno projati, chokh soho	0.82	(114) 478	73.6 5.8 10	18.2 4.5 6	4.6 2.9	0	0 1	4.0 1.0 6
09_0072 09_0023	Fish ball* Fish (Catla, Mrigal, Rohu), dorsal with ckin raw	Macher kopta Macher gada (Katla, Mrinal Bui)	1.00	(220) 923 (104) 438	48.5	15.7	6.7	21.7	5.0	2.1
SD or min- max n	With Shirt, Law	wilgal, Ival)			3.3	3.	3		1	₽
09_0024 SD or min- max	Fish (Catla, Mrigal, Rohu), ventral with skin, raw	Macher peti (Katla, Mrigal, Rui)		(130) 544	75.2 1.7 3	21.4 2.2 3	4.9 0.5 8	0	0 1	1.4
09_0071 09_0025 SD or min- max	Small fish fry* Ganges river sprat, combined species, raw	Kachki mach vaja Kachki, bivinno projati	1.00	(93) 393	79.3 80.4 1.5 4	7.4 16.1	6.1 3.2 1.0	5.3	0.9	1.6 0.5
09_0026 SD or min- max	Gangetic ailia, raw	Kajuli	0.76	(117) 488	76.6 2.6 3	15.3 2.5 3	6.2 2.9 3	0	0 1	0.5
09_0027 SD or min- max	Gangetic mystus, raw	Gulsha	0.68	(86) 363	78.6 0.4 3	15.4 1.8 3	2.7	0	0 1	2.4 1.3-3.6 2

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
09_0016	Chanda, Indian glaasy fish, eyes included, raw	931	2.0		640	206	61	2.45	
SD or min- max n		208	1.8-2.1 2		Ħ	Ħ	н	2.3-2.6	
09_0017	Climbing perch, indigenous, eyes included, raw	410	1.2	53	390	214	25	1.13	0.04
SD or min- max n		410-410	0.3	н	381-400 2	176-252 2	н	0.57-1.69	н
09_0018	Climbing perch, Thai, without bones. eves included. raw	64	1.2	53	161	214	52	1.13	0.04
SD or min- max n		Н	0.3	1	Н	176-252 2	1	0.57-1.69 2	ц
6700_60	Clown knife fish, without bones, raw	104	1.6	23	197	203	114	0.61	0.02
SD or min- max n		87	3.8	7 4	33	н	34-193 2	0.14	0.01
09_0020	Common carp, without bones, raw	47	6:0	25	240	228	93	0.73	90.0
SD or min- max n		11	1	Н	н	Н	Н	1	Н
09_0021	Croaker, Black spotted, without	32	0.4	28	162	341	77	0.65	0.02
SD or min- max n		Ħ	0.1	വവ	₽	336-345 2	56-97 2	0.38	0.01
09_0022	Day's mystus, combined species,	627	2.8	22	348	323	54	0.77	0.18
SD or min- max n		312 4	1.6	н	123 3	119	7 4	0.47-1.07	Ţ
09_0072	Fish ball*	48	2.5	73	211	296	345	1.96	0.52
09_0023	Fish (Catla, Mrigal, Rohu), dorsal with skin, raw	38	6:0	41	164	267	20	0.27	0.02
SD or min- max n		н	Н	0 m	ᆏ	Ħ	н	0.06	0.00
09_0024	Fish (Catla, Mrigal, Rohu), ventral with skin, raw	43	1.0	45	186	303	22	0.27	0.02
SD or min- max n		н	н	12 3	₽	Ħ	н	90.08	0.01
09_0071	Small fish fry*	215	1.3	20	186	148	242	1.60	0.18
09_0025	Ganges river sprat, combined species, raw	489	2.4	56	450	134	38	3.10	0.05
SD or min- max n		95 5	0.7	1	1	1	1	3-3.1	1
09_0026 SD or min- max	Gangetic ailia, raw	313 240 3	0.9		525 350-700 2				
09_0027	Gangetic mystus, raw	300	1.3	18	210	265	20	0.88	0.14
SD or min- max n		1	1	1	1	1	1	1	1

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
09_0016	Chanda, Indian glaasy fish, eyes included, raw	106	103	[36]								ř
SD or min- max n			1	п								1
09_0017	Climbing perch, indigenous, eyes included, raw	215	209	[74]			0.03	0.18	[5.6]			Ļ
SD or min- max n			1	Ħ			н	1	1			1
09_0018	Climbing perch, Thai, without bones, eyes included, raw	215	209	[74]			0.03	0.18	[2.6]	0.302		Ė
SD or min- max n			Н				н	Ħ	Ţ	H		₽
09_0019 SD or min- max	Clown knife fish, without bones, raw	30	30	0			0.01	0.32	[1.3]	0.254		<u></u>
09_0020	Common carp, without bones, raw	2	7 7	0	9.9	0.63	0.12	0.06	5.8	0.180	15	- E
SD of Min- max n			1		1	1	1	1		1	1	1
09_0021	Croaker, Black spotted,	17	17	0	9.0	[1.17]	0.07	0.11	7.7	0.344	17	Ļ
SD or min- max n			1		ᆏ	₽	0.03	0.04		H	Н	Н
09_0022	Day's mystus, combined species, eyes included, raw	43	43	[7]			0.01	0.04	5.4	0.296		Ļ
SD or min- max n			1	1			Н	Н		Н		1
09_0072	Fish ball*	34	23	[121]	0.2	[0.89]	0.24	0.15	[5.0]	0.180	15	5.2
09_0023	Fish (Catla, Mrigal, Rohu), dorsal with skin, raw	9	9	[3]	2.1	69.0	0.07	0.09	4.9	0.196	16	Ţ
SD or min- max n			1	ц	1	1	П	Т	1	1	1	1
09_0024	Fish (Catla, Mrigal, Rohu), ventral with skin, raw	10	10	[2]	3.7	1.21	0.08	0.10	5.6	0.222	18	Ė
SD or min- max n			1	1	1	1	П	П		1	1	1
09_0071	Small fish fry*	15	13	[24]	6.0	[0:20]	0.03	0.05	[0.4]	0.165	7	5.3
09_0025	Ganges river sprat, combined species, raw	38	35	35	2.4	[0.77]	0.03	0.05	3.5	0.243	7	Ĕ
SD or min- max n			1	1	1	1	1	1		1	1	1
09_0026 SD or min- max	Gangetic ailia, raw											⊢ -
09_0027	Gangetic mystus, raw						0.01	0.03	4.4	0.239		È
ם מס מס							1	1		1		1

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
09_0028 SD or min- max	Giant river-catfish, raw	Guizza	0.77	(75) 318	78.1	15.9	1.3	0	0	1.2
					1	1	1		1	1
09_0029 SD or min- max	Giant sea perch, whole, dried	Vetkee, shutki		(318) 1340	20.1	60.2	8.6	0	0	15.9
u					1	1	П		1	1
09_0030 SD or min- max n	Giant sea perch, without bones, raw	Vetkee, kata chara	0:20	(96) 406	77.2 1.5 8	18.6 2.1 8	2.5 0.6 7	0	0 1	1.7 1.4-1.9 2
09_0031 SD or min- max n	Goby, Tank goby, raw	Bele	0.71	(81) 341	79.6 1.3 4	14.7 0.5 4	2.5 0.9	0	0 1	2.7 0.4 3
09_0032	Gourami, Banded gourami, eyes included, raw	Khailsa, kata chara, chokh soho	0.57	(105) 438	75.2	15.8	4.6	0	0	1.4
SD or min- max					4.3	1.3	2.4		Ţ	0.9-1.9
09_0033 SD or min- max n	Hilsha, without bones, raw	llish, kata chara	0.76	(223) 926	62.7 11.1 23	18.0 3.2 23	16.8 7.3 21	0	1 0 1	1.9 0.5 16
09_0034 SD or min- max	Indian river shad, raw	Chapila	1.00	(106) 442	76.9 0.9 6	15.4 1.5 4	4.9 0.2 4	0	0 4	4.4
09_0035 SD or min- max	Indian threadfin, without bones, raw	Lakkha, gada, kata chara		(100) 423	77.1	20.3	2.1	0	0 -	1.2
=	treathing land a contract of the chart				7	7	7		7	7
09_0036	indo-pacinc king mackerel, without bones, raw	Surma/ bijoram, kata chara		(102) 431	76.0	20.9	2.0	0	0	1.6
ח ח					0. 4	L:3	6. 4		1	1
09_0037 SD or min- max	Kuria labeo, without bones, raw	Gonia, kata chara	0.44	(109) 459	76.5 2.1 5	17.6 1.0 5	4.3 1.7 3	0	0 1	1.1
8200_60	Long-whiskered catfish, without bones, raw	Ayre, kata chara	0.77	(89) 373	78.1	17.0	2.3	0	0	1.2
SD or min- max n					0.9	0.8	0.6		н	н
09_0039 SD or min- max	Mackerel, narrow-barred Spanish, raw	Chompa		(112) 470	73.3	19.8	3.6	0	0	1.5
u					1	1	1		Н	1
09_0040 SD or min- max	Minnow, Finescale razorbelly, raw	Chela, Fulchela	0.72	(95) 397	77.6 1.3 4	15.3 1.3 4	3.7 0.8 4	0	0 1	3.0 0.6 4
09_0041	Minnow, Finescale razorbelly, dried	Chela, Fulchela, shukna		(412) 1730	4.7	64.8	17.0	0	0	13.4
ם כם כם					1	1	1		1	1

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cn (mg)
09_0028	Giant river-catfish, raw	380	0.7	36	180	271	84	0.23	90.0
SD or min- max		1	1	1	1	1	1	1	1
09_0029 SD or min- max	Giant sea perch, whole, dried	626	3.0	181	612	902		0.57	0.42
u		1	1	1	1	1		1	1
08_0030	Giant sea perch, without bones, raw	24	1.0	28	194	237	96	0.16	0.12
SD or min- max			0.0	ω m	65	26	44 %	0.13	-
09_0031	Goby, Tank goby, raw	397	1.2	12	335	269	79	0.93	0.07
SD or min- max		46	0.3	-	330-340	267-271	-	0.67-1.19	-
09_0032	Gourami, Banded gourami, eyes	422	6:0	36	498	201	34	1.35	0.51
SD or min- max	illorancu, law	132	6.0-6.0		156-840	186-216		1-1.7	
c		m	2	П	2	2	₽	2	H
09_0033	Hilsha, without bones, raw	98	1.3	26	195	162	52	0.54	0.18
SD or min- max		54	1.0	സെ	195-195 2	t i	H	0.64	0.15
09 0034	Indian river shad, raw	1060	4.8	37	260	231	57	1.97	
SD or min- max			2.1-7.6			180-281		1.84-2.1	
u		1	2	П	H	2	Н	2	
09_0035	Indian threadfin, without bones, raw	53	0.5	29	208	278	75	1.35	0.05
SD or min- max n		Н	0.3-0.6 2	24-33 2	П	н	н	1.2-1.49 2	0.04-0.06
9200 60	Indo-pacific king mackerel, without	35	0.8	40	259	306	78	0.78	0.02
SD or min- max		1	0.1	2 4	H	1	↔	0.41	0.01
09_0037	Kuria labeo, without bones, raw	30	0.3	42	175	203	09	90.0	0.09
SD or min- max n		н	0.2	н	സസ	16 3	3 4	0.01	Н
8200 60	Long-whiskered catfish, without	11	6.0	36	102	271	84	0.23	0.09
SD or min- max	10000	8-14	6.4	ω ι	11 4	232-311	-	0.11	-
09_0039	Mackerel, narrow-barred Spanish, raw	92	2.0	48	161	285	145	0.40	0.02
SD or min- max n		Ħ	₽	н	н	н	ᆏ	Ħ	н
09 0040	Minnow, Finescale razorbelly, raw	534	1.9		221	395	53	3.1	
SD or min- max n		477-590 2	1.7-2		191-250 2	1	Н	1	
09_0041	Minnow, Finescale razorbelly, dried	3590	6.7		844	1430			
SD or min- max n		1	н		н	н			

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	ene	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
09 0028	Giant river-catfish raw			(mcg)			200	; 80	(mg)	0.245	;	Ļ
SD or min- max							<u> </u>	5 -	<u>.</u>			: ←
09_0029	Giant sea perch, whole, dried			0	4.7		0.13	0.50	[5.0]	0.378	14	· 上
SD of mir- max				П	П		1	н	н	1	1	1
06_0030	Giant sea perch, without bones, raw	ω	∞	0	1.5	[2.35]	0.04	0.18	[0.7]	0.120	2	Ė
SD or min- max n			1	н	н	П	1	т	П	т	1	н
09_0031 SD or min- max	Goby, Tank goby, raw						0.02	0.04	[3.2]	0.229		Ë
u u							1	1	1	1		1
09_0032	Gourami, Banded gourami, eyes included, raw	39	38	[11]			0.08	60.0	[5.6]	0.278		Ë
SD or min- max n			1	т			н	н	т	т		↔
09_0033	Hilsha, without bones, raw			Ë			0.12	0.14	5.6	0.417		Ė
n				П			1	1		1		1
09_0034	Indian river shad, raw	9	9	0								Ļ
ח			1	1								1
09_0035	Indian threadfin, without bones, raw					0.8	0.04	0.07	[2.3]	0.256		Ë
ח ח						П	1	П	П	1		1
09_0036	Indo-pacific king mackerel, without bones, raw						0.08	0.09	4.9	0.268		Ė
D OI IIIII- IIIAX							1	т		н		1
09_0037 SD or min- max	Kuria labeo, without bones, raw						90.0	0.07	5.9	0.112		Ë
u							1	1		1		1
09_0038 SD or min- max	Long-whiskered catfish, without bones, raw						0.07	0.08	[0.5]	0.245	11	Ė
u							1	1	1	1	П	1
6200-60	Mackerel, narrow-barred Spanish, raw	30	30	Ė			0.03	0.14	[2.3]	0.299		Ë
SD or min- max			1	1			1	1	1	1		1
09_0040	Minnow, Finescale razorbelly, raw											Ë
SD or min- max n												1
09_0041	Minnow, Finescale razorbelly, dried											Ë
SD or min- max n												1

Code	Food name in English	Food name in Bengali	Edible portion	Energy (kcal) kJ	Water	Protein (a)	Fat (a)	Carbohydrate available (a)	Total dietary	Ash (a)
09_0042 SD or min- max	Minnow, Large scale razorbelly, raw	Chela, narkeli	coemicient 0.72	(119) 501	71.7 69.5-73.8	18.1 16.5-19.7 2	5.2 4.8-5.6	0	11 Dre (g) 0	2.1
09_0043 SD or min- max	Mola carplet, whole, eyes included, raw	Mola, chokh soho	0.62	(108) 452	77.5 1.0 13	17.1	4.4	0	0 +	2.7
09_0044 SD or min- max	Mrigal carp, eyes included, raw	Mrigal, chokh soho	0.59	(102) 428	78.4 2.3 5	18.6 1.0 4	3.0 1.3	0	0 1	1.6 1.5-1.7 2
09_0045 SD or min- max	Mullet, Gold spot, raw	Parshe		(120) 502	70.7 70.6-70.8 2	18.7 17.5-19.8 2	5.0 4.1-5.9 2	0	0 1	3.5 1.5-5.5 2
09_0046 SD or min- max	Mussel/Clam, mixed species, raw	Jhinuk	0.32	(60) 255	83.3 82.4-84.3 2	11.6	1.5 1.1-2 2	0	0 1	0.9
09_0047 SD or min- max	Pangas, without bones, raw	Pangas, kata chara	0.44	(162) 676	70.8	15.9	11.0	0	0 1	1.0
09_0048 SD or min- max n	Perch, Mud, raw	Meni		(99) 417	75.8 2.6 3	15.8 0.9 3	4.0 1.1 3	0	0 1	3.8 2.8-4.7 2
09_0049 SD or min- max	Pomfret, Black, raw	Rupchanda, kalo, bivinno projati	0.49	(112) 471	78.9	19.6 0.8 3	3.7	0	0 1	1.1
09_0050 SD or min- max	Pomfret, Chinese Silver, raw	Rupchanda, China sada	0.92	(103) 432	74.9 4.0	15.9 1.5 3	4.4 3.1 3	0	0 1	1.5
09_0051 SD or min- max	Pomfret, Silver, dried	Rupchanda, sada, shutki		(349) 1470	21.6 6.8 4	62.1 6.7 4	11.2 0.9 4	0	0 1	3.8
09_0052 SD or min- max	Pomfret, Silver, without bones, raw	Rupchanda, sada		(108) 453	76.5	17.9	0.4	0	0 1	1.5
09_0053 SD or min- max n	Prawn, Birma river prawn, raw	Chingri, Birma nodir		(86) 366	78.5	18.8	1.3	0	0 1	1.4
09_0054 SD or min- max	Prawn, Giant river prawn, raw	Chingri, Golda		(102) 431	74.8 72.4-77.1 2	20.9 20.8-21.1 2	2.0 1.2-2.9 2	0	0 1	1.2
09_0055 SD or min- max n	Prawn, Giant tiger prawn, raw	Chingri, Bagda		(92) 388	78.8 1.4 5	16.5 1.3 5	2.9 1.3	0	0 1	1.6 0.3 5
09_0056 SD or min- max n	Prawn, Hairy river prawn, raw	Chingri		(75) 320	79.9	17.6	0.6	0	0 1	1.4
09_0057 SD or min- max	Prawn, Indian white prawn, raw	Chingri sada, nodir		(95) 399	79.0 1.2 8	16.4 1.0	9.5 5.5	0	0 1	1.7

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
09_0042	Minnow, Large scale razorbelly, raw	352	5.4	41	202	578	156	3.10	0.12
ob of min- max		П	1	1	1	1	1	Н	1
09_0043 SD or min- max	Mola carplet, whole, eyes included, raw	767	3.8	30	440	178	43	3.19	
		4	, w	1	1	4	2	9	
09_0044	Mrigal carp, eyes included, raw	655	1.8	38	280	236	63	0.29	0.02
SD of milli- max		350-960 2	T.T-2.5	4 ო	П	н	т	90.00 33	0.00 33
09_0045	Mullet, Gold spot, raw	1050	2.1	42	490	764	41	1.43	0.14
SU or min- max n		н	н	н	П	н	н	↔	н
09_0046	Mussel/Clam, mixed species, raw	31	1.3	15	157	37	477	0.40	0.04
טט טן ווווודי ווומא ח		Н	П	н	н	1	₽	Н	1
09_0047	Pangas, without bones, raw	14	0.1	29	130	169	46	1.85	0.07
SD or min- max n		н	н	н	н	н	н	Н	н
09_0048	Perch, Mud, raw	516	1.9		429	268	22	1.42	0.04
SD or min- max		510-521 2	0.4-3.5		297-560 2	180-355 2	-	0.74-2.10	-
09_0049	Pomfret, Black, raw	286	6.0	25	306	166	131	0.48	0.02
SD or min- max		,	1.0	7 m	÷	÷	-	0.25	0.01
09_0050	Pomfret, Chinese Silver, raw	200	0.4	26	290	183	145	0.59	0.03
SU or min- max n		П	0.3 4	ν κ	н	н	Н	0.26 3	0.02 3
09_0051 SD or min- max	Pomfret, Silver, dried								
09_0052 SD or min- max	Pomfret, Silver, without bones, raw	13	0.5	25	170	190	151	0.27	0.09
ı c		1	1	1	1	1	1	1	1
09_0053 SD or min- max	Prawn, Birma river prawn, raw	16	9.0	19	141	375	86	1.06	0.57
L		1	1	1	1	1	1	1	1
09_0054	Prawn, Giant river prawn, raw	18	0.7	22	166	441	116	1.25	0.68
		1	н	1	П	н	1	1	1
09_0055	Prawn, Giant tiger prawn, raw	17	9.0	43	141	423	117	1.73	0.63
ח ח		н	н	н	н	1	Н	н	1
09_0056	Prawn, Hairy river prawn, raw	15	0.5	18	132	352	92	1.00	0.54
S		П	1	н	П	1	Н	П	П
09_0057	Prawn, Indian white prawn, raw	304	0.5	41	922	545	196	2.25	0.52
D of Hills Hax		2	н	Ħ	1	2	2	1	0.41-0.03

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
09_0042	Minnow, Large scale razorbelly, raw						60:0	0.11	5.8	0.317		Ė
SD or min- max n							1	Т		1		1
09_0043	Mola carplet, whole, eyes included, raw	[2680]										Ë
SU or min- max n		Н										н
09_0044 SD or min- max	Mrigal carp, eyes included, raw	11	11				0.07	0.08	[0.7]	0.242	17	Ė
n 00 0045	Mullet Gold enot raw		н				1010	1 0	1 [0 8]	10.328	н	← }
SD or min- max	Mullet, Gold spot, raw						0.10 1	0.11	[0.0] 1	0.320		= ∺
09_0046	Mussel/Clam, mixed species, raw	145	145	0		[1.09]	0.01	0.03	5.8	0.01	4	ř
SD or min- max n			Н			Н	1	Н		1	н	Н
09_0047 SD or min- max	Pangas, without bones, raw	വ	2	Ė			0.15	90.0	4.5	0.107		Ë
n 09_0048	Perch, Mud, raw		н	1			1	П		н		<u> </u> -
SD or min- max n												н
09_0049 SD or min- max	Pomfret, Black, raw						0.13	0.20	[1.9]			Ë
09_0050 SD or min- max	Pomfret, Chinese Silver, raw			0			H	0.17	[3]			ᅲ
09_0051 SD or min- max	Pomfret, Silver, dried			0				П	т			- 그 -
09_0052 SD or min- max	Pomfret, Silver, without bones, raw						0.01	0.08	[1.8]			, F .
09_0053 SD or min- max	Prawn, Birma river prawn, raw	2	← ←	[7]			4	⊣	4			-
09_0054 SD or min- max	Prawn, Giant river prawn, raw	2	2 1	$\begin{bmatrix} 1 \\ 1 \end{bmatrix}$								⊢ +
09_0055 SD or min- max	Prawn, Giant tiger prawn, raw			0								Ţ [‡]
09_0056 SD or min- max	Prawn, Hairy river prawn, raw	н	0 1	[3]								⊢ +
09_0057 SD or min- max n	Prawn, Indian white prawn, raw			0								다 T

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
09_0058 SD or min- max	Prawn, Monsoon river prawn, raw	Chingri, nodir		(79) 334	7.67	18.2	0.7	0	0 ,	1.3
09_0059 SD or min- max	Rohu, river, raw	Rui, nodir	0.80	(90) 381	76.7	16.6	2.7	0	- 0	1.2
09_0060 SD or min- max	Rohu, without bones, raw	Rui, kata chara	0.44	(105) 444	76.3	20.6	2.6	0	10 -	0.9
09_0061 SD or min- max	Shrimp, Speckled, raw	Chingri, Horina		(81) 341	78.9 77.9-79.9 2	17.0 15.8-18.2 2	1.4	0	40 +	2.0 1.2-2.9
09_0062 SD or min- max	Silver carp, without bones, raw	Silver carp, kata chara	0.78	(123) 517	75.6 2.3 8	17.5 2.4 6	6.0	0	0 1	1.1
09_0063 SD or min- max	Silver needle fish, eyes included, raw	Kakila, chokh soho		(94) 396	76.9 3.4 3	16.6	3.1	0	0 1	3.4
09_0064 SD or min- max	Spotted snakehead, raw	Taki, kata chara		(91) 384	78.2 2.4 9	17.3 1.4 8	2.4	0	О н	4.0 1.4 3
09_0065 SD or min- max	Stinging catfish, raw	Shing mach, kata chara	0.75	(101) 423	76.7 4.8 8	17.2 2.7 8	3.5	0	0 1	2.5
09_0066 SD or min- max	Stone roller, raw	Tatkini	0.77	(97) 405	76.2 74.3-78.2 2	15.3	3.9	0	0 1	2.6
09_0067 SD or min- max	Striped snake-head, raw	Shol, kata chara	0.77	(101) 424	78.4 1.8 8	17.7 1.4 8	3.3	0	0 1	1.4 1.3-1.5 2
09_0068 SD or min- max	Tilapia, without bones, raw	Telapia, kata chara	0.30	(110) 466	76.2	20.8	3.0	0	0 1	1.1
09_0069 SD or min- max	Tuna, without bones, raw	Tuna, kata chara	0.58	(118) 497	72.0 0.5 7	25.0	2.0	0	0 1	1.3
09_0070 SD or min- max	Walking catfish, without bones, raw	Magur, kata chara	0.79	(103) 434	77.6 3.7 3	15.6 0.8 3	4.6 3.1-6.1 2	0	0 1	1.1 1-1.3 2

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
09_0058	Prawn, Monsoon river prawn, raw	15	0.5	18	133	355	93	1.01	0.54
ח		1	1	1	1	1	1	1	1
09_0059	Rohu, river, raw	650	1.0	12	175	288	101	1.13	0.35
D of min- max		1	1	ц	1	1	1	1	1
0900 60	Rohu, without bones, raw	30	9.0	37	175	309	38	1.13	0.35
SD or min- max n		Н	Н	1	1	Н	П	Н	Н
09_0061	Shrimp, Speckled, raw	421	9.0	26	941	503	117	1.36	0.56
SD or min- max n		н	н	Ħ	н	Н	н	н	н
09 0062	Silver carp, without bones, raw	22	1.5	27	182	225	115	0.28	0.02
SD or min- max n		1	2.0	၉ မ	1	186-263 2	105-125 2	0.04	0.00
60_0063	Silver needle fish, eyes included, raw	210	0.8	25	470	243	55	0.94	0.10
SD or min- max n		Н	H	н	Ħ	н	Н	н	₽
09_0064	Spotted snakehead, raw	624	1.5	35	440	245	89	1.08	0.16
SD or min- max		219	0.3	,	,	240-250	47-89	0.50	
E		4	4	1		2	2	4	Н
09_0065 SD or min- max n	Stinging catfish, raw	319 304 3	2.1 0.9 3		304 294-315 2	434	83	0.55	
9900 60	Stone roller, raw	195	2.2	52	124	[834]	35	1.09	0.09
SD or min- max n		Т	н	т	т	н	п	н	н
2900 60	Striped snake-head, raw	104	1.0	43	130	362	20	0.31	0.20
SD or min- max n		68-140 2	0.5	10 6	8 4	224-501 2	Ħ	0.18	ਜ
8900 60	Tilapia, without bones, raw	19	0.5	36	350	341	55	1.40	0.11
SD or min- max n		1	1	1	1	1	1	1	1
6900 60	Tuna, without bones, raw	16	1.3	33	312	427	47	0.27	0.15
SD or min- max n		1	0.3	1	9 7	43	н	0.07	п
06_0070	Walking catfish, without bones, raw	27	8.0	25	180	344	71	0.53	90.0
SD or min- max n		20-34 2	0.1	Ħ	н	265-424 2	П	0.49-0.57 2	н

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
09_0058	Prawn, Monsoon river prawn, raw	н	н	[4]								Ė
SD or min- max n			1	1								1
09_0059 SD or min- max	Rohu, river, raw						0.05	0.07	5.9	0.112		⊢ -
09_0060	Rohu, without bones, raw	4	က	[9]			[0.61]	0.10	5.9	0.112		· 上
ξ 2 2 2 2 2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4			П	1			1	П		1		1
09_0061 SD or min- max	Shrimp, Speckled, raw			0								<u></u>
09_0062 SD or min- max	Silver carp, without bones, raw						0.08	0.09	5.0	0.273		Ė
u							1	1		1		1
09_0063 SD or min- max	Silver needle fish, eyes included, raw	65	61	26		1.95	0.01	0.09	12.5	0.900	₩ ₩	⊢ ⊢
09_0064 SD or min- max	Spotted snakehead, raw	191	91	[25]			0.04	0.05	[2.0]	0.244		Ë
			1	1			1	1	1	1		1
09_0065 SD or min- max	Stinging catfish, raw	16	15	11			0.08	60.0	[0.6]	0.261		Ë
			1	1			П	1	1	1		1
09_0066 SD or min- max	Stone roller, raw						0.08	0.07	4.8	0.266		Ļ,
09_0067	Striped snake-head, raw						0.04	0.05	[2.0]	0.242		· 广
20 G							1	н	1	1		1
8900_60	Tilapia, without bones, raw	2	7	Ė	5.5	[0.71]	[0.97]	60.0	8.0	0.111	24	Ė
ח שוויד ווומא			Н	1	П	Н	1	Н		Н	₽	П
6900 60	Tuna, without bones, raw	31	31	Ė	3.12		0.19	0.13	19.3	0.850	6	Ė
ח וווודי ווומא			1	1	1		1	1		1	1	1
06_0070	Walking catfish, without bones, raw	15	10	[64]			0.03	90.0	[1.7]	0.251		Ė
SD or min- max n			Т	Н			н	1	Н	Н		н

10 Meat, poultry and their products

Lean meat is the flesh or muscular tissue of animal. Its composition is different from that of the internal organs such as kidney and liver. Muscle tissue consists of about three-quarters of water and one quarter protein together with a small variable amount of fat, one percent mineral elements and some vitamins.

Meat usually contains high levels of complete protein. The body typically uses protein to perform functions of cellular growth, repair, formation of new tissues and body maintenance. Protein is also considered crucial to the regulation of immune function and electrolyte balance.

The fat found in meats can also be a valuable source of energy for the body. The fat of meat is of particular interest in nutrition because it is predominantly saturated in character. Meat typically contains important minerals including iron, phosphorous, zinc, and the complete range of B-complex vitamins. In particular, the organ meat is a good source of iron and B complex vitamins that help to support metabolic function, cognitive function, skin health, production of red blood cells and digestion.

Code	Food name in English	Food name in Bengali	Edible portion	Energy	Water	Protein	Fat (g)	Carbohydrate	Total dietary	Ash
			coefficient	(RCal) RJ	(6)	(6)		avallable (y)	fibre (g)	(6)
$10_{-}0016$	Beef handi kabab*	Haaree kabab (goru)	1.00	(233) 968	60.4	12.7	16.9	9.9	1.8	1.7
10_001	Beef liver, raw	Gorur koliza	1.00	(130) 547	8.07	20.4	3.6	3.9	0	1.3
D C C					П	Н	П		П	Н
10_0002	Beef, meat, lean, boneless, raw	Gorur mangsaw, harh o chorhi chara	1.00	(103) 436	76.0	20.7	2.3	0	0	1.0
SD or min- max n					1.5	2.1	0.4		П	0.0
10_0003 SD or min- max	Beef, meat, 15-20% fat, boneless, raw	Gorur mangsaw, harh chara	1.00	(207) 860	65.4	19.7	14.2	0	0	6.0
c					7	1	Т		Н	1
10_0004 SD or min- max n	Beef, mince, lean, raw	Gorur mangsaw, kima	1.00	(126) 530	75.0 73.3-76.7 2	20.3 19.2-21.4 2	5.0	0	0 1	1.0 1-1.1 2
10_0005 SD or min- max	Buffalo meat, raw	Mohisher mangsaw	1.00	(95) 400	78.7	19.4	1.9	0	0 -	1.0
		M			4	4	7		4	7
10_0006 SD or min- max	Chicken breast, without skin, raw	Murgi, buker mangsaw, chamra charano	92.0	(106) 447	72.9	22.3	1.8	0	0	1.1
L					н	н	П		Н	П
10_0007 SD or min- max	Chicken leg, without skin, raw	Murgi, ranner mangsaw, chamra charano	0.72	(128) 537	71.9	19.2	5.7	0	0 -	1.0
10 0008	Chicken liver, raw	Murgir koliza	1.00	(114) 479	76.5	16.9	4.8	0.7	10	1.1
SD or min- max n					1	H	1		н	H
10_0009 SD or min- max	Duck, meat, raw	Hasher mangshaw	0.84	(130) 545	72.3	21.6	4.8	0	0	1.2
C					1	1	1		1	1
10_0010 SD or min- max	Frog, legs, raw	Bang		(68) 290	81.9	16.4	0.3	0	0 -	1.4
10_0011 SD or min- max	Goat meat, lean, raw	Khaseer mangsaw	69.0	(118) 497	74.2	21.4	3.6	0	0 1	1.1
10_0012 SD or min- max	Lamb/mutton, meat, moderately fat, raw	Verar mangsaw	0.75	(196) 814	71.5	18.5	13.5	0	0 ,	1.3
10_0013 SD or min- max	Lamb/Mutton, liver, raw	Verar koliza	1.00	(150) 628	70.4	19.3	7.5	1.3	- O F	1.5
10_0014	Pigeon meat, raw	Kobutorer mangsaw		(137) 577	70.4	23.3	4.9	0	4 0	1.4
SD or min- max n					1	1	1		1	т
10_0015 SD or min- max	Pork, meat, <5 % fat, raw	Shukorer mangsaw	1.00	(114) 481	77.4	18.7	4.4	0	0	1.0
, ,					1	П	П		1	1

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
10_0016	Beef handi kabab*	25	2.0	25	88	220	345	3.02	0.21
10_0001 SD or min- max	Beef liver, raw	4	3.5	18	387	313	69	3.71	1.50
اد		н	1	1	1	1	1	1	Н
10_0002	Beef, meat, lean, boneless, raw	4 °	2.0	15	190	395	52	3.52	0.14
ם כל כו		13	13	1	1	1	Н	11	10
10_0003	Beef, meat, 15-20% fat, boneless,	വ	2.2	22	170	309	69	4.6	0.07
SD or min- max		€-		€-			-	-	-
10_0004	Beef, mince, lean, raw	0	2.4	22	198	346	99	5.09	0.08
SD or min- max n		н	П	₽	н	н	1	Ħ	П
10_0005 SD or min- max	Buffalo meat, raw	12	1.6	32	189	297	23	1.93	0.15
- C		1	1	1	1	1	1	1	1
10_0006	Chicken breast, without skin, raw	15	0.5	32	173	315	37	1.70	90.0
ח ח		1	Н	1	1	1	1	1	1
10_0007 SD or min- max	Chicken leg, without skin, raw	18	1.0	59	180	299	22	2.09	0.22
_		1	7	1	1	Τ,	7	1	+
10_0008 SD or min- max	Chicken liver, raw	18 8-29	0.6	19	297	230	71	2.50	0.29
c		2	1	1	1	1	1	2	2
10_0009 SD or min- max	Duck, meat, raw	4 ,	2.4	19	235	271	74	1.90	0.25
u		1	1	-1	1	-	1	1	1
10_0010 SD or min- max	Frog, legs, raw	18	1.5	20	147	285	- 58	1.37	0.05
7,00	100	٠ (٠, د	1 6	٠, ٢	- C	٠, ۶	4 6	000
10_0011 SD or min- max	Goat meat, lean, raw	12	2.8	2/	193 1	385 1	87	4.00 1	0.26
10 0012	Lamb/mutton, meat, moderately	13	2.2	19	150	136	41	3.92	0.08
SD or min- max	iat, raw		1.8-2.5						
c		Н	2	ч	ч	ч	Н	н	τ1
10_0013 SD or min- max	Lamb/Mutton, liver, raw	10	6.3	19	380	290	73	4.00	9.67
,,,,,,		٠, ١	- L	7 (1 000	1 000	٦ ,	, ,	, ,
10_014 SD or min- max	Pigeon meat, raw	12	2.5	30	290	283	60	2.94	0.47
L 700	Dank	٦ ٥	٠, د	٠, ٢	٠ .	٠ ,	٦ ,	1 .	0 0
10_0015 SD or min- max	Pork, meat, <5 % fat, raw	30	2.2	18	200	261	09	2.5/	0.0
c		1	1	1	1	1	1	1	1

				Beta-carotene					Niacin			
Code	Food name in English	Vitamin A (mcg)	(mcg)	equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Iniamin (mg)	Kiboflavin (mg)	equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
10_0016	Beef handi kabab*	12	7	[99]	0.3	[0.52]	0.04	1.00	[1.8]	0.109	10	2.2
10_0001 SD or min- max	Beef liver, raw	4968	4948	244	1.2	[0.38]	0.19	2.76	[13.2]	1.083	290	1.3
c			н		н	П	н	н	П	н	н	1
10_0002 SD or min- max	Beef, meat, lean, boneless, raw	0	0	0	[0.4]	0.23	90.0	0.19	10.03	0.32	7	0
L			1		1	1	1	1		1	1	1
10_0003 SD or min- max	Beef, meat, 15-20 % fat, boneless, raw	15	15	0	9.0	0.35	0.05	0.2	9.3	0.32	o	0
c			7		1	1	1	1		1	1	1
10_0004 SD or min- max	Beef, mince, lean, raw	0	0 -	0	0.1	[0.28]	0.04	0.16	[5.5]	0.392	٠ ک	0 -
10 0005	Buffalo meat raw	c	-ı C	C	10	ر د د د	700	0.0	[6.0]	7 0 53	- α	4 C
SD or min- max	Dullalo lileat, raw	Þ	> ⊣	Þ	1. I	0.03	0.07	1.2	[6.0] 1	0.33	0 4	D 11
10_0006 SD or min- max	Chicken breast, without skin, raw	25	25	0	0.1	[0.12]	0.12	0.07	11.4	0.315	7	0
L			н		1	1	1	1		1	1	1
10_007 SD or min- max	Chicken leg, without skin, raw	23	23	0	0.1	[0.24]	60.0	0.12	9.2	0.350	4	0
u			н		Н	П	П	Н		н	П	1
10_0008 SD or min- max	Chicken liver, raw	3296	3290	29	0 -	[0.70]	0.31	1.78	[9.7]	0.853	288	17.9
- 000		č	٦ ;	•	٦ ،	1 0	٦ ٥	1 0	٦ ,	- C	Ĺ	٦ (
10_0009 SD or min- max n	Duck, meat, raw	24	74	0	0.T	0.02	0.36	0.45	∞ ∞	0.34	25 1	D T
10_0010 SD or min- max	Frog, legs, raw	15	15	0	0.2	[1.00]	0.14	0.25	[1.2]	0.12	15	0
۵			1		1	1	1	1	1	1	1	1
10_0011 SD or min- max n	Goat meat, lean, raw	0	0 1	0		0.18	0.11	0.49	[3.8]	0.40	1 2	0 1
10_0012 SD or min- max	Lamb/mutton, meat, moderately fat, raw	6	o -	0	[0.2]	0.31	0.18	0.14	4.1	0.125	9 -	0 -
10 0013	I amb/Mutton liver raw	0250	0000	100	٦ · ·	7 0	30.0	1,7	7.00	000	205	٦ /
SD or min- max	Lambination, nver, raw	06290	0240	103	7. C	0.9 0.9	0.30	1. (7.07	0.30	1 1	1 20
10_0014	Pigeon meat, raw	18	18	0			0.26	0.26	[8.0]	0.58	4	5.6
ם כם כם			П				17	1	Т	н	н	н
10_0015 SD or min- max	Pork, meat, <5 % fat, raw	0	0	0	0.04	Ė	0.53	0.16	5.2	0.311	⊣	0
			+		1		1	1		1	1	1

11 Eggs and their products

Chicken eggs are the most commonly eaten eggs. They supply all essential amino acids for humans (a source of 'complete protein') and provide several vitamins and minerals including retinol, riboflavin, folate, vitamin B₆, vitamin B₁₂, choline, iron, calcium, phosphorus and potassium. Other popular choices for egg consumption are duck, quail, roe, and caviar.

The egg-yolk makes up about 33% of the liquid weight of the egg. It contains all of the fat, slightly less than half of the protein and most of the other nutrients. All of the egg's vitamins A, D, and E are in the egg yolk. It also contains choline, with one yolk containing approximately half of the recommended daily intake. Choline is an important nutrient for development of the brain, and is said to be important for pregnant and nursing women to ensure healthy fetal brain development.

Chicken eggs are widely used in many types of dishes including many baked foods. Some of the most common preparation methods include scrambled, fried, hard-boiled, soft-boiled and pickled. The egg white contains protein but little or no fat, and can be used in cooking separately from the yolk as in meringue and desserts.

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
11_0001 SD or min- max	Egg, chicken, farmed, raw	Murgir dim, farm er	0.87	(139) 579	72.3	14.5	0.6	Ė	0	8.0
L					1	1	1		1	1
11_0005	Egg, chicken, farmed, boiled* (without salt)	Murgir dim siddha, lobon chara	0.87	(158) 658	68.5	16.5	10.2	0	0	0.0
11_0002 SD or min- max	Egg, chicken, native, raw	Murgir dim, deshi	0.87	(158) 655	76.1	13.3	11.6	È	0	0.9
Ľ					т	1	1	⊣	1	₽
11_0006	Egg, chicken, native, boiled* (without salt)	Deshi murgir dim siddha, Iobon chara	0.87	(179) 745	72.9	15.1	13.2	0	0	1.0
11_0003	Egg, chicken, native, yolk, raw	Murgir dim er kusum, deshi	1.00	(325) 1350	51.9	16.0	27.8	2.6	0	1.7
SD or min- max					9.8	0.1	2.3		0-0	1.7-1.7
11_0004 SD or min- max n	Egg, duck, whole, raw	Hasher dim	0.89	(188) 782	69.7 68.4-71.0 2	13.5 1.6 4	14.3 13.3-15.9 2	1.4	0 1	1.1 0.2 3
11_0007	Egg, duck, whole, boiled* (without salt)	Hasher dim siddha, lobon chara	0.89	(214) 889	9.59	15.3	16.2	1.6	0	1.2

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
11_0001 SD or min- max	Egg, chicken, farmed, raw	[29]	1.5	21	220	110	116	2.36	0.30
11_0005	Egg, chicken, farmed, boiled* (without salt)	[35]	1.8	24	238	120	128	2.54	0.33
11_0002 SD or min- max	Egg, chicken, native, raw	09	1.7	11	220	26	135	2.03	0:30
د		1	1	1	1	1	1	1	1
11_0006	Egg, chicken, native, boiled* (without salt)	89	1.9	13	238	105	148	2.19	0.33
11_0003	Egg, chicken, native, yolk, raw	120	4.8	11	477	113	48	3.33	0.13
SD or min- max		17	1.8	9	78	9	48-48	0.90	0.05
L		က	က	က	က	ო	2	က	ო
11_0004	Egg, duck, whole, raw	65	2.4	11	220	222	134	1.41	90.0
SD or min- max		02-09	0.5						
r		2	က	1	1	1	1	1	П
11_0007	Egg, duck, whole, boiled* (without salt)	73	2.7	13	238	240	147	1.52	0.07

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
11_0001 SD or min- max	Egg, chicken, farmed, raw	165	165	Ė	1.9	0.83	0.18	0.40	3.8	0.149	20	0 ,
11_0005	Egg, chicken, farmed, boiled* (without salt)	178	178	Ė	2.0	0.94	0.17	0.36	3.4	0.136	1 45	1 0
11_0002 SD or min- max	Egg, chicken, native, raw	213	213	Ė	2.4	1.2	0.18	0.40	Θ.	0.149	20	0 ,
11_0006	Egg, chicken, native, boiled* (without salt)	229	229	Ė	2.6	1.36	0.17	0.36	3.4	0.136	45	н О
11_0003 SD or min- max	Egg, chicken, native, yolk, raw	496	486 371-600	124	5.4	4.16	0.23	0.49	4.1	0.300	109	0-0
11_0004 SD or min- max	Egg, duck, whole, raw	362	360	21	1.8	[1.39]	0.12	0.26 0.26-0.26 2	4.7	0.250	1 80	1 0 1
11_0007	Egg, duck, whole, boiled* (without salt)	391	389	22	1.9	[1.58]	0.11	0.24	4.5	0.227	73	0

12 Milk and its products

Milk, a food of outstanding interest, is produced by the mammary glands of mammals. It is designed by the nature to be a complete food with extremely high nutritional value for very young animals. Early-lactation milk contains colostrum which carries the mother's antibodies to the baby and can reduce the risk of many diseases in the baby. The colloidal properties of milk are of great practical importance in making butter and cheese especially from cow's milk.

Milk is an oil-in-water emulsion, whole milk containing 3.5-4% fat. In addition to milk fat, the fat phase contains fat-soluble vitamins, phospholipids, carotenoids, and cholesterol while the aqueous phase contains protein, minerals, lactose (sugar) and water-soluble vitamins. The most important proteins in milk are casein (2.6%) and whey protein (0.15%). Casein is not a single substance, but a family of phosphorous-containing proteins that bind the calcium and other minerals present. On the other hand, whey protein consists of two major proteins; lactalbumin (0.12%) and lactoglobulin (0.3%) both of them are not coagulated by digestive enzyme rennin but they are more easily coagulated by heat than casein. Thus, when milk is heated, lactalbumin and lactoglobuli coagulate and form a skin on the milk surface (called sor in Bangla).

The composition of different specimens of milk may show some variations with many extrinsic factors. Between cow's and buffalo milk, the latter has a higher fat content expressed on a moisture free basis. Unless the whey is discarded, the products of milk retain all the nutrients present in the milk.

Cow's milk has been processed into dairy products. Milk and milk products cover liquid milk, milk powder, and fermented milk products like curd, yoghurt and butter milk. Other milk products also include khoa, whole and cottage cheese, chhana, paneer, condensed milk, malted milk food, ice cream and a variety of milk sweets.

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
12_0001 SD or min- max	Buttermilk, fluid, low fat	Ghol	1.00	(33) 137	92.2 3.5 4	3.4 0.1 3	0.7	3.1	0 1	0.6
12_0002 SD or min- max	Cheese, cottage, 25% fat	Poneer	1.00	(346) 1440	40.3	24.6	25.1	5.4	0 1	4.6
12_0003 SD or min- max	Curd, sweetened, whole milk	Doi, misti	1.00	(94) 396	80.6	3.2	4.0	11.4	0 1	0.8
12_0004 SD or min- max n	Milk, buffalo, whole fat	Mohiser dudh	1.00	(101) 421	83.3 1.0 32	3.8 0.3 17	7.5 1.2 43	4.7	0 1	0.0
12_0005 SD or min- max	Milk, cow, powder, skimmed	Gura dudh, Goru, makhon tola/noniheen	1.00	(358) 1520	3.8 3.5-4.1 2	37.6 36.3-38.8 2	1.0	49.8	0 1	7.9 6.8-8.9 2
12_0006 SD or min- max	Milk, cow, powder, whole	Gura dudh, Goru, noni soho	1.00	(497) 2080	3.2	26.6	26.7	37.5	0 1	5.9 0.1 3
12_0007 SD or min- max	Milk, cow, skimmed	Gorur dudh, makhon tola/noniheen	1.00	(30) 125	92.1	3.1	0.1	4.1	0 1	0.6
12_0008 SD or min- max	Milk, cow, whole fat (pasteurized, UTH)	Gorur dudh, pumo noni soho	1.00	(63) 263	88.3	3.1	3.7	4.3	0 1	0.6
12_0009 SD or min- max	Milk, cow, whole, condensed, sweetened	Kondense milk, Goru, chini soho	1.00	(334) 1410	26.5 25.9-27.2 2	8.2 7.9-8.5 2	9.4 8.7-10.1 2	54.0	0 1	1.8
12_0010 SD or min- max	Milk, goat, combined breeds	Chagoler dudh	1.00	(68) 285	87.2 1.6 13	3.5 0.2 6	4.1 0.9	4.3	0 1	0.9
12_0011 SD or min- max n	Milk, human, colostrum, raw	Shaldudh	1.00	(58) 242	88.2 0.0 3	2.0 0.0 3	2. 6 0.0	9.9	0 1	0.6 0.6-0.6 2
12_0012 SD or min- max	Milk, human, mature, raw	Mayer dudh	1.00	(69) 260	87.4 0.4 4	1.2 0.2 3	4.0 4.0	7.2	1 0	0.2 0.1 3
12_0013	Payesh*	Payesh	1.00	(205) 864	53.8	4.3	4.7	36.2	0.2	6.0

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
12 0001	Buttermilk fluid low fat	103	c	12	82	152	89	0.41	0.01
) H	o ;	1	1	1	3		1
SD or min- max		н	0.0	N 17	ო ო	ო ო	32	0.01 3	0.01-0.01
12_0002	Cheese, cottage, 25% fat	790	0.3	22	414	83	209	3.55	0.03
SD or min- max n		н	т	₽	H	Н	н	₽	П
12_0003	Curd, sweetened, whole milk	103	0.1	13	06	131	51	0.45	0.05
SD or min- max		÷	F	-	-	,			,
12 0004	Milk, buffalo, whole fat	206	0.2	18	246	178	52	0.22	0.05
SD or min- max		21	0.1-0.2	o •	86	•	,	•	,
۵		2	2	4	4	Н	П	1	Н
12_0005	Milk, cow, powder, skimmed	1370	1.1	110	926	1600	435	4.7	0.10
ם כם כם		Н	Н	1	1	1	Н	1	1
12_0006	Milk, cow, powder, whole	959	0.7	92	758	1180	365	3.71	90.0
SD or min- max		6	0.1	91-93	45	1160-1190	360-370	3.51-3.91	90.0-90.0
c		က	က	2	က	2	2	2	2
12_0007	Milk, cow, skimmed	103	0.1	13	06	131	51	0.45	0.05
SD or min- max		,	,	.	-	-	,	-	-
12 0008	Milk cow whole fet (nesteurized LITH)	103	0.1	13	O	131	ŗ	0.45	0.05
SD or min- max	min, cov, wilde in [basediled, cii]	2	1	2	8	101	5	î Î	9
Ľ		1	1	1	1	1	1	1	1
12_0009	Milk, cow, whole, condensed, sweetened	287	0.2	28	247	366	134	0.97	0.02
SD or min- max		284-290	0.2-0.2	26-29	240-253	360-371	127-140	0.94-1	,
c		2	2	2	2	2	2	2	н
12_0010 SD or min- max	Milk, goat, combined breeds	152 134-170	0.2	14	111	204	20	0.3	0.05
c		2	2	1	1	1	1	1	1
12_0011	Milk, human, colostrum, raw	28	0.1	က	14	20	47	09.0	0.05
SD or min- max		0		0	0	0	0	0.00	0.00
L		က	1	က	က	က	ო	က	က
12_0012	Milk, human, mature, raw	32	0.1	ო	15	26	16	0.26	0.04
SD or min- max		m ·	0:0	0 (₩ (4 (↔ (90.08	0.01
		4	4	າ	າ	2	9	9	າ
12_0013	Payesh*	132	0.2	31	120	169	65	0.65	0.11

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
12_0001 SD or min- max	Buttermilk, fluid, low fat	ω	ω 4 ·	Н	È.	0.01	0.00	0.17	6.0	0.042	ပြက (0.7
12 0002	Cheese, cottage, 25% fat	205	190	182	0.3	0.49	0.02	0.47	6.5	H	_د 40	7 L
SD or min- max			H		,	, t		т	}		. ⊢	: н
12_0003 SD or min- max	Curd, sweetened, whole milk	32	31	14	Ė	0.08	0.05	0.16	0.8	0.053	6	1.0
c			т	1	1	1	1	1		Т	1	1
12_0004 SD or min- max	Milk, buffalo, whole fat	47	35-53	[30]			0.05	0.22	[0.1]	0.023	9 -	1.7
12_0005 SD or min- max	Milk, cow, powder, skimmed	0	0	1 0	Ė	0.1	0.45	1.64	9.7	0.645	21	5.0
u			П		1	П	П	П		П	1	П
12_0006 SD or min- max	Milk, cow, powder, whole	238	228 10	124 118-129 2	<u></u> +	0.59	0.31 0.01 3	1.37 0.05	8.9	0.276	38 37-39 2	10.7 10-11.3 2
)		• 1	, ;	,	,				
12_0007 SD or min- max n	Milk, cow, skimmed	0	0 1	0 1	<u>†</u>	0.01	0.06	0.28	8.0	0.053	о 1	1.0
12 0008	Milk, cow, whole fat	32	30	91	È	800	0.06	0.28	0.8	0.053	σ	0.0
SD or min- max	(pasteurized, UTH)	}	} ,	}	: ,	,	,	}		,) .	i ,
_						-	-	-		-		
12_0009	Milk, cow, whole, condensed, sweetened	92	92	42	0.2	0.19	0.09	0.44	2.3	0.051	13	3.3
SD or min- max			73-110	14-70			60.0-60.0	0.42-0.46			11-15	2.6-4
u			2	2	7	1	2	2		7	2	2
12_0010 SD or min- max	Milk, goat, combined breeds	32	30	18	[0.06]	0.03	0.05	0.09	1.0	0.046	П	1.2
C			2	1	1	1	2	2		1	1	2
12_0011	Milk, human, colostrum, raw	166	155	135	È	1.30	Ė	0.03	1.0	0 9	0 0	7.0
20 C			o m	2	1	ο Θ. κ	1	Θ. κ		2 2	o m	, 2
12_0012	Milk, human, mature, raw	26	24	19	0.1	0.34	0.02	0.03	0.7	0.01	വ	4.3
SD or min- max			0 4		н	0.34-0.34	0.00	0.01		ᆏ	O 10	3.
12_0013	Payesh*	39	38	[20]	0	0.10	0.07	0.33	[0.3]	0.056	7	1.7

13 Fats and oils

Chemically, oil and fat molecules are triglycerides formed by reaction of one molecule of glycerol with three fatty acid molecules. Over 40 different fatty acids are found combined as a part of triglycerides. The nature of fatty acids involved plays an important part in determining the character of oils and fats.

There are two types of dietary fats: visible and invisible. Visible fats include oils, butter and animal fat. Invisible fat, not visible to naked eyes, is present in food items like wheat, rice and pulses etc in small amounts. In general, the fats and oils we use are mainly composed of either saturated (contain no double bonds in their chemical structure) or unsaturated (contain one or more double bonds in their chemical structure) fatty acid chains. Saturated fats exist in a solid state at room temperature and are usually derived from animal sources although some of them are obtained from plant sources. Butter, lard, palm kernel oil and coconut oil are some examples of saturated fat. Unsaturated fats are liquid at room temperatures and, in general, derived from plant sources. Some examples include soybean oil, groundnut oil and mustard oil. Fish oil, however, is composed of major proportion of unsaturated fats to saturated fats.

Fats are the most compact source of energy (9 kcal/g). They provide a range of essential nutrients required by the body such as essential fatty acids (linoleic acid and alpha linolenic acid) and fat-soluble vitamins (vitamins A, D, E and K). Furthermore, vegetable oils are a good source of plant sterols, especially β -sitosterol and campesterol. Fats and oils high in monounsaturated fats as in olive, canola and sesame help lower LDL-cholesterol in the blood. Rice bran oil is an important edible oil source which has a fatty acid composition similar to that of groundnut oil. This oil has a special property of reducing blood cholesterol, a property not shared by ground nut oil.

Excess fats in the diet circulate as triglycerides and cholesterol in the blood. These components deposit at various proportions in different organs and tissues inside our body leading to obesity, coronary artery disease, diabetes, and coronary diseases.

Code	Food name in English	Food name in Bengali	Edible portion coefficient	Energy (kcal) kJ	Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
13_0001 SD or min- max	Butter, salted	Makhon, nonta	1.00	(733) 3010	15.9	6.0	81	0.2	0 -	2.1
13_0002 SD or min- max	Cottonseed oil	Tular bij er tel	1.00	(900) 3700	0 1	0 1	100	0	0 1	0 +
13_0003 SD or min- max	Fish oil, cod liver	Kod liver tel	1.00	(900) 3700	0 1	0 1	100	0	0 1	0 1
13_0004 SD or min- max	Ghee, cow	Ghee, gorur	1.00	0698) 3690	0.1	0 1	99.8	0	0 1	0.1
13_0005 SD or min- max	Ghee, vegetable	Dalda/Bonoshpati	1.00	(900) 3700	0 1	0 1	100	0	0 1	<u>†</u> ⊤
13_0006 SD or min- max	Margarine	Margarine	1.00	(750) 3080	16.0	0.3 0.1-0.4 2	83.3 80.2-86.3 2	0	0 1	2.3 1.8-2.8 2
13_0007 SD or min- max	Mayonnaise, salted	Mayonnaise, nonta	1.00	(732) 3010	16.4 1.7 3	1.5 0.8 3	80.6 5.4 3	0	0 1	1.5 1.1-1.8 2
13_0008 SD or min- max	Mustard oil	Sorishar tel	1.00	(900) 3700	0 1	0 1	100	0	0 1	0 1
13_0009 SD or min- max	Palm oil	Palm tel	1.00	(900) 3700	0 0-0	0 0-0	100 99.9-100 2	0	0-0	0-0-2
13_0010 SD or min- max	Peanut oil	China badam er tel	1.00	(900) 3700	0 1	0 1	100	0	0 1	0 1
13_0011 SD or min- max	Sesame oil	Tiler tel	1.00	(900) 3700	0 1	0 1	100	0	0 1	0 1
13_0012 SD or min- max	Soybean oil	Soybean tel	1.00	(900) 3700	0 1	0 1	100	0	0 1	0 1

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cn (mg)
13_0001	Butter, salted	24	0	2	24	24	714	0.09	0
SD or min- max n		1	1	Н	Н	Н	1	Н	1
13_0002	Cottonseed oil	0	0	0	0	0	0	0	0
SD or min- max n		1	1	н	н	Н	1	1	Ħ
$13_{-}0003$	Fish oil, cod liver	П	0.1	0	0	0	0	90.0	0.01
SD or min- max n		1	1	1	1	П	1	Н	1
13_0004	Ghee, cow	1	0.2	Ļ	Ë	П	2	0.01	0.01
SD or min- max n		₽	Ħ	н	н	₽	ᆏ	₽	н
13_0005	Ghee, vegetable	2	0.2	Ļ	Ė	Т	1	0.04	0.01
SD or min- max n		2-2	0.2-0.2	т	П	1-1	т	0.02-0.07	0.01-0.01 2
13_0006	Margarine	10	0.1	2	10	52	504	0.05	0.01
SD or min- max n		₽	Н	н	н	Н	416-592 2	ᆏ	Н
13_0007	Mayonnaise, salted	8	0.3	4	43	25	488	0.25	0.03
SD or min- max		8-8	0.3-0.3	1-7	27-59	16-34	96	0.1-0.4	0.02-0.03
13_0008	Mustard oil	0	0	0	0	0	0	0	0
SD or min- max		т	г	н	н	н	н	т	н
13_0009	Palm oil	0	0	0	0	0	0	0	0
SD or min- max n		0-0	0-0	0-0	0-0	0-0	0-0	₽	H
13_0010	Peanut oil	0	0	0	0	0	0	0.01	
SD or min- max n		1	1	П	П	1	1	1	
$13_{-}0011$	Sesame oil	0	0	0	0	0	0	0	0
SD or min- max n		Н	1	1	1	Н	Н	Н	Н
13_0012	Soybean oil	0	0.1	0	0	0	0	0.01	0
SD or min- max n		1	1	1	1	1	1	1	1

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
13_0001 SD or min- max	Butter, salted	633	620	158	1.5	1.85	0.01	0.03	[0.04]	0.003	ო .	0
13_0002	Cottonseed oil	0	- 0	0	н О	42.77	- 0	- O	- 0	-i O	п O	1 0
n 13_0003	Fish oil, cod liver	2500	30000	0	1 250	30	1 0	1 0	0	1 0	1 0	10
SD or min- max n			п	1	1	1	н	1	1	1	1	1
13_0004 SD or min- max	Ghee, cow	642	000 1	200	1.9]	3.31	0 1	⊢ ⊣	i		0 1	1 0
13_0005 SD or min- max	Ghee, vegetable	0	0 1	<u>†</u> +	0 1	10.27	0 1	0 1	<u>т</u> т		0 1	0 1
13_0006 SD or min- max	Margarine	810	780	360	0 1	[8.5]	0.01	0.03	0 1	0.003	1 2	0 1
13_0007 SD or min- max	Mayonnaise, salted	73	73 60-86 2			16.87	0.01 0.01-0.02 2	0.05	0.35	0.1	9 4-14 2	0 1
13_0008 SD or min- max	Mustard oil	0	0 1				0 1	0 1	0 1	0 1	0 1	0 1
13_0009 SD or min- max	Palm oil	0	0-0-0	0	0 0-0	33.12	0 0-0	0 0-0	0	0 1	0-0-0	0-0-0
13_0010 SD or min- max	Peanut oil	0	0 1	0 1	0 1	15.16	0 1	0 1	0 1	0 1	0 1	0 1
13_0011 SD or min- max n	Sesame oil	0	0 1	0	0 1	[1.40]	0 1	0 1	0 1	0 1	0 1	0 1
13_0012 SD or min- max	Soybean oil	0	0 1	0	0 1	16.06	0 1	0 1	0 1	0 1	0 1	0 1

14 Beverages

Beverage is a kind of liquid which is specifically prepared for human consumption. *Beverage* encompasses all kinds of drinks. There are many groups for beverages such as plain water, alcohol, non alcoholic drinks, soft drinks (carbonated drinks), fruit or vegetable juices and hot drinks. In addition to fulfilling a basic need, drinks form part of the culture of human society.

Approximately six to ten glasses (at least 150 ml each) of a variety of fluids can be consumed each day. Water may come from foods, roughly 20% of the need. Therefore, water should be the main daily drink for most people. Next to water, tea is the most consumed beverage in the world. Coffee has some limited health benefits while tea provides a variety of flavonoids that exert antioxidant activity. Fresh tea leaves contain a number of water-soluble constituents including polyphenols (30% of dry weight), amino acids (4%), caffeine (4%) and traces of sugars. Tea leaves also contain insoluble materials, mainly fibrous, proteins and pectins and a very small amount (0.01%) of essential oil which contain a large number of volatile components that contribute flavour and aroma.

Hundred percent fruit and vegetable juices and smoothies provide nutrients in their natural state but lack fibre and some of the nutrients that are found in whole fruits and vegetables which should be eaten for satiety and energy balance.

Non-caloric, artificially-sweetened beverages include diet soda, diet drinks and artificially-sweetened drinks, teas and coffees. On the other hand, sports drinks are designed for endurance athletes who need to replace electrolytes, sodium, chloride and potassium levels that are diminished during endurance event.

Ash (g)	0.3 0.1 4	0.3	8.8	0.1	1.6	0.1	0.3	0.2	16.0	Ļ ¬
Total dietary fibre (g)	1.1	0	0 1	0 1	0.5	0 1	0.2	0.1	8.5	0 1
Carbohydrate available (g)	3.2	6.8	75.4	10.3	4.9	7.5	7.6	7.1	49.5	0
Fat (g)	0.3 0.2 4	0.8	0.5	0 1	2.4	0 1	0.8	0	0 1	1 0
Protein (g)	0.6 0.4-0.7 2	6.0	12.2 1	0 1	2.8	0.7 0.7-0.7 2	0.73	0.21	20.2	0 1
Water (g)	94.5 0.6 4	91.3	3.1	89.6	87.8 1	91.7	90.4	92.4	5.7 0.7 4	100
Energy (kcal) kJ	(20) 83	(38) 160	(355) 1300	(41) 175	(54) 225	(33) 139	(41) 172	(29) 125	(296) 1250	0 (0)
Edible portion coefficient	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Food name in Bengali	Daber pani	Coffee, dudh o chini soho	Coffee	Komol paniyo	Soybean dudh	Akher ross	Dudh cha	Likar cha	Cha pata	Khabar pani
Food name in English	Coconut water	Coffee infusion (instant with sugar and milk powder, whole fat)	Coffee, powder	Soft drinks, carbonated	Soya milk (not sweetened)	Sugar cane Juice	Tea infusion (with sugar and milk powder, whole fat)	Tea, infusion (with sugar)	Tea, powder	Water, drinking
Code	14_0001 SD or min- max n	14_0002	14_0003 n	14_0004 SD or min- max	14_0005 n	14_0006 SD or min- max	14_0007	14_0008	14_0009 SD or min- max	14_0010 min- max

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
14_0001	Coconut water	20	0.2	25	18	260	96	0.10	0.04
SD or min- max		2	0.1	24-25	7	250-270	86-105	0.10	0.04
u		2	4	2	က	2	2	1	1
14_0002	Coffee infusion (instant with sugar and milk powder, whole fat)	33	0.2	7	25	65	14	0.12	0.01
14_0003	Coffee, powder	141	4.4	327	303	3540	37	0.35	0.14
u		1	1	1	1	1	Т	1	1
14_0004	Soft drinks, carbonated	9	0.3	0	11	⊣	4	0.02	0.01
SD or min- max		Н	0.1			0		0.02	0.01
c		2	വ	⊣	П	വ	Н	2	ო
14_0005	Soya milk (not sweetened)	13	0.43	15	48	74	32	0.3	0.09
_		1	1	1	1	1	Т	1	1
14_0006 SD or min- max	Sugar cane Juice	∞	1.1	10	9	22	7	0.01	90.0
L		н	1	1	П	н	Н	1	1
14_0007	Tea infusion (with sugar and milk powder, whole fat)	28	0.4	D.	23	48	14	0.11	0.02
14_0008	Tea, infusion (with sugar)	Ŋ	0.1	4	က	64	က	0.03	0.01
14 0009	Tea, powder	118	2.3	272	239	6040	72	1.69	0.55
SD or min- max									
_		Н	1	т	1	1	⊣	т	т
14_0010	Water, drinking	က	0.1	2	0	0	က	0.002	0.001
min- max		0-37	0-6,1	0-31	0-2	0-13	0-270	0-0.63	0-0.01
_		3534	3534	3534	3534	3534	3534	3534	3534

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	Niacin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
14_0001 SD or min- max	Coconut water	0	0-6	0	0	0	0.06	0.03	[0.1]	0.032	ю	3.3
ч			2	Н	П	П	Ŋ	2	ო	П	1	2
14_0002	Coffee infusion (instant with sugar and milk powder, whole fat)	7	7	4	0	[0.02]	0.01	0.04	[0.3]	0.008	П	0.3
14_0003	Coffee, powder	0	0	0	0	0	0.01	0.07	[28.2]	0.029	0	0
٦			Н		П	1	1	1	1	н	1	н
14_0004	Soft drinks, carbonated	0	0	0	0	0	0	0	0	0	0	0
SD or min- max n			Н		П	1	1	П			1	
14_0005	Soya milk (not sweetened)	0	0	0	0	0.32	90.0	0.05	0.8	0.03	6	0
L			₽		1	1	П	Н		1		4
14_0006	Sugar cane Juice	0	0	0	0	0	0.04	Ė	Ė		Ė	Ė
SD or min- max n			н		н	н	0.04-0.04	н	н		н	п
14_0007	Tea infusion (with sugar and milk powder, whole fat)	9	9	က	0		0.01	0.04	0.3	0.007	н	0.3
14_0008	Tea, infusion (with sugar)	0	0	0	0		0	0.01	0.1	0.004	1	0
14_0009	Tea, powder	0	0	0	0	0	0	0.99	[10.8]	0.356	103	0
SD or min- max n			н	н	н	н	н	н	н	Ħ	н	н
14_0010	Water, drinking	0	0	0	0	0	0	0	0	0	0	0
min- max n			1	1	1	1	1	1	1	1	1	1

15 Miscellaneous

The word "miscellaneous" means "of mixed character". This includes foods that are mixed and food items combined. Some substances may be defined as either food or drink, and accordingly may be eaten with a spoon or drunk depending upon their thickness and solubility. Food items not covered in any of the food groups listed are included in this category.

Code	Food name in English	Food name in Bengali	Edible portion coefficient		Water (g)	Protein (g)	Fat (g)	Carbohydrate available (g)	Total dietary fibre (g)	Ash (g)
15_0001	Baking powder	Baking powder	1.00	172 (731)	6.3	5.2	0 +	37.8	0 +	50.7
15_0002 SD or min- max	Betel leaves, raw	Pan pata	1.00	(42) 175	85.4	3.1	0.4	4.1	4.7	2.3
15_0003 SD or min- max N	Нопеу	Modhu	1.00	(326) 1390	18.2 1.3 4	0.3	0.0	81.1	0.2	0.2 0.0
15_0004	Jaggery, sugarcane, solid	Gur, Akh	1.00	(385) 1630	3.4	0.5	0.1	95.4	0 1	0.6
15_0005 N	Jaggery/Panela, date palm	Gur, Khejur	1.00	(352) 1500	9.6	1.5	0.3	85.7	[0.3]	2.6
15_0006 SD or min- max	Jagggery liquid, date palm	Nolen gur	1.00	(86) 365	78.3 1.7 12	0.3	0.0	20.9	[0.1]	0.0
15_0007	Salt	Lobon		0 (0)	<u></u> ⊢ ⊣	0 1	0 1	0	0 1	99.8
15_0008 n	Sugar, white	Chini, sada	1.00	(398) 1690	0.4	0 1	0 1	99.5	0 1	0.1

Code	Food name in English	Ca (mg)	Fe (mg)	Mg (mg)	P (mg)	K (mg)	Na (mg)	Zn (mg)	Cu (mg)
15_0001	Baking powder	11300	Ė	6	8430	49	11800	Ė	Ļ
L		1	1	1	1	1	1	1	1
15_0002	Betel leaves, raw	230	7.0	82	09	684	က	1.00	0.30
SD or min- max				,					
_		₽	₽	₽	↔	7	⊣	Н	τ.
15_0003	Honey	വ	0.5	2	6	51	6	0.49	0.04
SD or min- max		1	0.2	1	7	1	4	0.36	0.01
п		က	4	က	က	က	က	က	က
15_0004	Jaggery, sugarcane, solid	92	1.6	120	72	290	62	0.10	0.75
_		П	П	1	1	-	-	П	1
15_0005	Jaggery/Panela, date palm	363			62				
L		П			7				
15_0006	Jagggery liquid, date palm	87			15				
SD or min- max									
c		Н			П				
15_0007	Salt	Ė	È	Ė	Ė	Ė	39340	Ė	È
_		Н	П	П	7	1	1	Н	Н
15_0008	Sugar, white	12	0.2	2	П	2	2	0.10	0.12
L		1	1	1	1	1	1	1	1

Code	Food name in English	Vitamin A (mcg)	Retinol (mcg)	Beta-carotene equivalents (mcg)	Vitamin D (mcg)	Vitamin E (mg)	Thiamin (mg)	Riboflavin (mg)	vin equivalents (mg)	Vitamin B6 (mg)	Folate (mcg)	Vitamin C (mg)
15_0001	Baking powder	0	0	0	0	0	0		0		0	0
u			1	П	1	1	1	1	Н	Н	1	1
15_0002	Betel leaves, raw		0		0		0.07	0.03	[0.7]			2.0
SD or min- max n			₽		н		₽	1	1			1
15_0003	Honey	0	0	0	0	0	0	90.0	0.16	0.16	H	1.4
SD or min- max		,	0	0	0	0-0	0.00	0.03			0-2	1.8
c		0	2	2	m	2	m	4		ᆏ	2	4
15_0004	Jaggery, sugarcane, solid	0	0	0	0		Ė	0.04	Ė		Ė	0
E			1	1	1		1	1	1		1	1
15_0005	Jaggery/Panela, date palm											
E												
15_0006	Jagggery liquid, date palm											
SD or min- max												
15_0007	Salt	0	0	0	0	0	0	0	0	0	0	0
L			1	Т	1	1	1	1	1	1	1	1
15_0008	Sugar, white	0	0	0	0	0	0	0	0	0	0	0
c			П		Н	П	Н	1	1	1	1	П

ANNEXURES

Annex 1. Amino acids of selected foods

SER (mg)		566	357	472	809	640	321	354	345	190	202		1027	1200	1200	1515	1100	1056	1854
PRO (mg)		1415	622	867	828	870	265	316	308	330	1065		841	1100	1100	1075	880	981	2060
GLY (mg)		425	255	407	271	280	287	307	299	140	412		847	096	096	1150	850	824	1545
GEU (mg)		2831	1427	1866	2263	2500	1301	1311	1278	290	3537		3561	4200	4200	5481	3300	5170	0069
(pm) 92A		637	448	691	989	720	574	632	617	240	202		2395	2700	2700	3228	2500	2205	4325
(pm) AJA		484	520	745	931	086	268	390	380	280	256		874	1100	1100	1917	920	666	1545
(ɓw) SIH		283	194	303	223	230	149	159	155	100	229		260	069	069	633	490	795	937
(gm) ƏAA		519	285	496	361	380	476	260	547	150	440		1919	1700	1700	2265	2000	1335	2678
(gm) JAV		672	336	503	546	290	368	410	400	180	450		854	1200	1200	1366	1200	6963	1751
(gm) 9AT		142	45	71	113	120	20	28	92	24	124		195	260	260	257	180	218	474
(gm) AHT		389	255	373	333	360	222	241	235	140	300		755	092	260	1032	740	788	1442
(Bm) AYT		318	265	405	321	340	244	225	219	140	270		505	730	730	836	530	553	533
PHE (mg)		637	357	489	547	290	345	359	351	190	475		1091	1500	1500	1431	920	1909	1854
CYS (mg)		224	112	179	201	210	140	138	134	29	218		273	210	210	216	150	257	494
(mg) T∃M		189	132	208	208	230	206	159	155	71	220		267	290	290	147	170	250	463
(Bm) SYJ		413	194	280	201	210	234	243	237	100	276		1362	1700	1700	2118	1500	1563	2369
LEU (mg)		873	876	1219	1322	1400	501	556	542	470	691		1450	1800	1800	2017	1400	1592	2884
ILE (mg)		484	255	356	439	470	229	291	283	140	307	icts	874	066	066	1048	920	807	1648
Protein (g)	ts	10.9	6.9	6.6	10.4	11.2	6.5	6.7	9.9	3.5	10.6	ir produ	20.4	23.7	23.7	27.7	22.1	22.3	32.9
Food name in English	01 Cereals and their products	Barley, whole- grain, raw	Maize/corn flour, whole, white	Maize/corn, yellow, dried, raw	Millet, Foxtail, raw	Millet, Proso, whole-grain, raw	Rice, BR-28, parboiled, milled, raw	Rice, white, sunned, aromatic, raw	Rice, white, sunned, polished, milled, raw	Sweetcorn, yellow, on the cob, raw	Wheat, flour, white	02 Pulses, legumes and their products	Bengal gram, whole dried, raw	Green gram, split dried, raw	Green gram, whole, dried, raw	Lentil, dried, raw	Pea, dried, raw	Red gram, split, dried, raw	Soybean, dried, raw
Code	01 Cerea	01_0001	01_0004	01_0005	01_0006	01_0007	01_0012	01_0024	01_0025	01_0028	01_0031	02 Pulse	02_0002	02_0005	02_0006	02_0008	02_0009	02_0010	02_0011

2EK (mg)		913	640		596	764	757	538	499	629	802	810	1021	544
PRO (mg)		759	2370		814	662	657	222	552	751	986	894	882	653
GLY (mg)		1175	1339		754	868	892	257	229	1137	1356	1415	1200	1043
GEU (mg)		3801	4441		2978	2792	2773	2971	2405	2581	3456	3491	3733	
(gm) 92A		1926	2054		1906	1915	1902	1671	1746	1339	1853	1902	2561	1566
(gm) AJA		871	686		1211	1131	1123	1188	1087	1632	2185	2220	1513	926
(gm) SIH		444	741		754	551	546	724	969	324	544	483	737	310
(gm) əAA		1812	1631		1032	1119	1112	947	866	066	1240	1275	1496	932
(gm) JAV		1009	1273		913	964	957	947	606	762	984	942	1288	763
(gm) 9AT		280	216			210	208			234	313	296	280	
(mg) AHT		721	707		913	820	815	761	606	683	867	897	1096	989
TYR (mg)		464	682		655	631	627	724	969	469	543	609	845	373
bHE (mg)		901	686		774	730	725	910	730	625	828	820	926	634
CYS (mg)		320	574			200	200			144	125	145	268	
(Bm) T∃M		348	407		615	554	220	576	552	563	930	929	740	330
(Bm) SYJ		811	1556		1667	1718	1706	1634	1621	1251	1577	1598	2296	1378
LEU (mg)		1162	1755		1330	1520	1510	1411	1354	1139	1434	1493	2032	1231
ILE (mg)		843	866	s	734	862	856	996	730	622	760	762	1153	723
Protein (g)	oducts	17.2	22.0	product	19.9	18.7	18.6	18.6	18.0	15.9	20.6	20.8	25.0	15.6
Food name in English	06 Nuts, seeds and their products	Linseed, raw	Mustard seeds, dried	09 Fish, shellfish and their products	Catla, raw	Common carp, without bones, raw	Croaker, Blacks potted, without bones, raw	Giant sea perch, without bones, raw	Hilsha, without bones, raw	Pangas, without bones, raw	Rohu, without bones, raw	Tilapia, without bones, raw	Tuna, without bones, raw	Walking catfish, without bones, raw
Code	06 Nuts,	6000 90	06_0012	09 Fish,	09_0015	09_0020	09_0021	06_0030	09_0033	09_0047	0900_60	8900_60	6900 ⁻ 60	06_0070

SER (mg)		902	832	790	924	818		1103	1012	1300	1011		161	180
PRO (mg)		961	832	880	902	836		202	463	640	495		264	370
GLY (mg)		1164	1051	1100	1068	1017		602	553	510	453		62	20
GEU) (BW)		2612	2963	2800	3826	3408		2024	1858	1700	1896		713	610
(gm) 92A		1927	1816	1700	2058	1691		1577	1448	1500	821		211	210
(gm) AJA		1164	1243	1100	2018	1771		1295	1189	840	674		157	120
(6m) SIH		629	726	099	808	518		198	182	410	348		77	88
(gm) වЯA		1241	1243	1200	1322	1184		644	265	1100	800		105	120
(gm) JAV		1260	1051	1000	1164	975		912	837	1000	927		187	240
(mg) 4AT		263	220	220	294	233		220	192	200	284		33	44
THR (mg)		869	668	820	277	835		442	406	790	779		124	160
TYR (mg)		807	869	030	732	029		334	307	710	653		140	180
bHE (mg)		1084	832	260	857	758		1233	1132	069	882		136	160
CYS (mg)		376	143	140	203	164		382	351	230	305		21	46
(gm) T3M		543	535	470	794	643		455	418	410	009		69	78
(gm) SYJ		1607	1721	1600	1612	1405		620	269	1300	066		225	290
LEU (mg)		1910	1625	1500	1665	1485		1050	964	1400	1158		267	310
ILE (mg)	"	296	926	950	686	808		913	838	860	632		131	210
Protein (g)	roducts	20.4	20.7	19.7	22.3	19.2		14.5	13.3	16.0	13.5		3.1	3.5
Food name in English	10 Meat, poultry and their products	Beef liver, raw	Beef, meat, lean, boneless, raw	Beef, meat, 15- 20% fat, boneless, raw	Chicken breast, without skin, raw	Chicken leg, without skin, raw	11 Eggs and their products	Egg, chicken, farmed, raw	Egg, chicken, native, raw	Egg, chicken, yolk, raw	Egg, duck, whole, raw	12 Milk and its products	Milk, cow, whole fat (pasteurised, UTH)	Milk, goat, combined breeds
Code	10 Meat,	10_001	10_0002	10_0003	10_0006	10_0007	11 Eggs	11_0001	11_0002	11_0003	11_0004	12 Milk	12_0008	12_0010

Annex 2. Fatty acids of selected foods

Code	Food name in English	ЕТ Р D ТСИ У (8)	ET8 DT (8)	ET8 DTM9 (6)	ET8 DTCN1 (d)	E50 DICNII (8)	ES0 DTCN6 (8)	ESS DTCN6 (d)	Ł 5 √ D⊺СИ∂ (∂)	ET8 DS (8)	ET8 D3 (8) ET8 DSCNe (8)	ET8 D3CN3 (8)	E50 D4Ne (â)
01 Cereal	01 Cereals and their products												
01_0002	Bread, bun/roll	0.01		0.82	0.039	0.007					0.960	0.079	
01_0004	Maize/corn flour, 0.003 whole, white		1.015							1.705	0.053	23	
01_0005	Maize/corn, yellow, dried, raw			0.903							1.517	0.051	
01_0012	Rice, BR-28, parboiled, milled, raw			0.075							0.167	900.0	0.004
01_0020	Rice, brown, parboiled, home- pounded, raw		0.825							0.788	0.035	35	
01_0024	Rice, white, sunned, aromatic, raw			0.117							0.085		
01_0025	Rice, white, sunned, polished, milled, raw			0.083							0.116	0.003	_
01_0026	Semolina, wheat, raw	0.004		0.147		0.003					0.57	0.04	0.002
01_0028	Sweet corn, yellow, on the cob, raw			0.401							0.670	0.02	
01_0031	Wheat, flour, white			0.142			900.0				0.685	0.042	
02 Pulses	02 Pulses, legumes and their products												
02_0008	Lentil, dried, raw			0.166			900.0				0.334	0.091	
06 Nuts, s	06 Nuts, seeds and their products												
2000_90	Groundnuts/Peanut, raw			18.935		0.415				, 7	15.905		
6000 ⁻ 90	Linseed, raw	0.023		6.777		0.062		0.011	0.059		5.439	21.074	4

06_0015	Sesame seeds, 0.138 whole, dried		17.214		0.065						19.791	1	0.349	
Code	Food name in English	Water (g)	Fat (g)	(g) TASAT	(g) SMA7	(6) N4∀∃	CHOF (mg)	ET# D0 (8)	ET2 D0 (8)	ETP D0 (d)	ETY D0 (8)	ET8 D0 (â)	ESS DO (8)	E54 D0 (8)
09 Fish,	09 Fish, shellfish and their products													
09_0021	Croaker, Black spotted, without bones, raw	75.8	2.9	1.0	1.0	0.4		0.044		0.755		0.183		
09_0023	Fish (Catla, Mrigal, Rohu), dorsal with skin, raw	78.1	2.8	0.8	0.3	0.3		0.043	9:000	0.315	0.0002	0.33	0.012	0.04
09_0024	Fish (Catla, Mrigal, Rohu), ventral with skin, raw	75.2	4.9	1.8	2.0	0.5		0.101	0.063	0.738	0.0004	0.774	0.022	0.07
09_0047	Pangas, without bones, raw	70.8	11.0	4.0	4.4	1.7		0.332		2.878		0.715	0.058	0.067
0900 60	Rohu, without bones, raw	76.3	5.6	6.0	0.7	0.7		0.048		0.601		0.167		0.065
8900 60	Tilapia, without bones, raw	76.2	3.0	1.1	1.2	0.4	20	0.087		0.758		0.19		0.042
6900 60	Tuna, without bones, raw	72.0	2.0	9.0	0.4	9.0	47	0.077		0.450		0.106		
10 Meat,	10 Meat, poultry and their products													
10_001	Beef liver, raw	70.8	3.6	1.2	0.5	0.5	275	0.015	0.007	0.312	0.03	0.862	0.009	
10_0002	Beef, meat, lean, boneless, raw	76.0	2.3	6.0	1.1	0.1	62	0.068	0.013	0.566	0.025	0.275		
10_0006	Chicken breast, without skin, raw	72.9	1.8	0.5	0.7	0.3	29	0.009		0.375		0.115		0.029
10_0007	Chicken leg, without skin, raw	71.9	2.7	1.7	2.4	6.0	91	0.029		1.244		0.328	0.011	0.049
10_012	Lamb/mutton, meat moderately fat, raw	71.5	13.5	9.9	5.1	9.0	78	0.682	0.075	3.05	0.128	2.629		
10_015	Pork, meat, <5% fat, raw	77.4	4.4	1.8	2	0.3	65	990.0		1.115		0.568		
11 Eggs	11 Eggs and their products													
11_0001	Egg, chicken, farmed, raw	72.3	9.0	2.7	3.5	1.2	309	0.026		1.928		0.624		0.149
11_0002	Egg, chicken, native, raw	76.1	11.6	3.5	4.5	1.6	398	0.033		2.479		0.802		0.192
11_0003	Egg, chicken, yolk, raw	51.9	27.8	7.1	10.2	4.7	1182	0.091		5.03		2.01		
11_0004	Egg, duck, whole, raw	2.69	14.3	3.8	6.7	1.2	884	0.056		3.113		0.656		

ESS DICNO (d) ESS DI (d) ESO DICNO (d) ESO DICNII (d)			0.039	0.068	0.164 0.133	0.038	0.044	0.012				0.006	0.019		0.029			0.02	0.026		0.091
E50 D7 (8)		0.078						0.033		0.007											
ЕТ8 БТИ∂ (∂)			0.149	0.35	3.936	0.576	0.962				0.886	0.567	1.99	4.825	1.804			3.293	4.235	9 69	9
ET8 DŢ (მ)		0.536						0.253		0.423											
ЕТР БТСИУ (8)			0.118	0.276	0.113	0.09	0.153				0.133	0.087	0.348	0.163	0.14		0	0.221	0.284	0.457	
Ете рт (а)		0.419						0.07		0.036											
£⊺ 4 DŢ (â)											0.031										
Food name in English	09 Fish, shellfish and their products	Croaker, Black spotted, without bones, raw	Fish (Catla, Mrigal, Rohu), dorsal with skin, raw	Fish (Catla, Mrigal, Rohu), ventral with skin, raw	Pangas, without bones, raw	Rohu, without bones, raw	Tilapia, without bones, raw	Tuna, without bones, raw	10 Meat, poultry and their products	Beef liver, raw	Beef, meat, lean, boneless, raw	Chicken breast, without skin, raw	Chicken leg, without skin, raw	Lamb/mutton, meat, moderately fat, raw	Pork, meat, <5 % fat, raw	11 Ease and their products		Egg, chicken, farmed, raw	Egg, chicken, native, raw	Eag. chicken. volk. raw	
Code	09 Fish, s	09_0021	09_0023	09_0024	09_0047	0900 60	8900_60	6900 60	10 Meat,	$10_{-}0001$	10_0002	10_0006	10_0007	10_0012	10_015	11 Eags	11 1993	11_0001	11_0002	11 0003	

Code	Food name in English	ET8 D5 (მ)	ET8 DSCNe (â)	ES0 DS (â)	ŁT8 D3 (â)	ET8 D3C/3 (d)	L Т8 D 3И 0 (მ)	E50 D3Ne (8)	ET8 D4 (â)	E50 D4 (â)	E50 D4Ne (მ)	ES0 D2C/33 (8)	ESS D2CN3 (8)	ESS DeCN3 (â)
ish,	09 Fish, shellfish and their products													
09_0021	Croaker, Blackspotted, without bones, raw	0.042			0.008				0.010	0.083		0.111	0.078	0.088
09_0023	Fish (Catla, Mrigal, Rohu), dorsal with skin, raw		0.047			0.058		0.032				0.032	0.035	0.091
09_0024	Fish (Catla, Mrigal, Rohu), ventral with skin, raw		0.11			0.102		0.056				0.056	0.062	0.16
09_0047	Pangas, without bones, raw		1.374	0.057		0.087	0.042	0.091						0.036
0900 60	Rohu, without bones, raw		0.403			0.097		0.031				0.031		0.089
8900 60	Tilapia, without bones, raw		0.295			0.018	0.018	0.022						0.058
6900 60	Tuna, without bones, raw	0.031							0.008	0.05		0.137	0.025	0.357
Meat,	10 Meat, poultry and their products													
10_0001	Beef liver, raw		0.299		0.016	0.007	600.0			0.141			0.000	
10_0002	Beef, meat, lean, boneless, raw		0.042			0.027					0.021		0.000	
10_000	Chicken breast, without skin, raw		0.259			0.014		0.012						
10_0007	Chicken leg, without skin, raw		0.810			0.048		0.016						
10_0012	Lamb/mutton, meat, moderately fat, raw		0.313			0.313							0.000	
10_015	Pork, meat, <5 % fat, raw		0.300			0.025							0.000	
Eggs	11 Eggs and their products													
11_0001	Egg, chicken, farmed, raw		1.139			0.023		0.014						0.048
11_0002	Egg, chicken, native, raw		1.465			0.030		0.018						0.062
11_0003	Egg, chicken, yolk, raw		3.38			0.274							0.091	0.457
11_0004	Egg, duck, whole, raw		0.579			0.106					0.331			

Code	Food name in English	Water (9)	Fat (9)	(g) TASA3	(9) SMA7	(g) U4A∃	сног (ша)	E ⊄ D0 (∂)	Ee D0 (6)	F8 D0 (9)	ETO DO (8)	ETS DO (8)	ET4 D0 (8)	ET2 D0 (8)	ETP D0 (8)	ET8 D0 (მ)	ES0 D0 (8)
12 Milk	12 Milk and its products																
12_0007	Milk, cow, skimmed	92.1	0.1	0.1	0.03				0.0004	0.001	0.002	0.002	0.008	0.001	0.026	0.011	0.0004
12_0008	Milk, cow, whole fat (pasteurised, UTH)	88.3	3.7	1.9	6.0	0.1	15		0.016	0.021	0.059	0.086	0.314	0.039	0.971	0.418	0.014
12_0010	Milk, goat, combined breeds	87.2	4.1	2.6	1.2	0.2	11	0.140	0.103	0.105	0.284	0.135	0.354		0.994	0.481	
Code	Food name in English				ET4 DTCN2 (8)	ET9 DTCИ\ (8)		L T8 DTИ 3 (3)	ES0 DTCN6 (â)		ESS DTCN6 (6)	ET8 DSCNe (â)		ES0 DS (8)	ET8 D3CN3 (â)		ET8 D3Ne (8)
12 Milk	12 Milk and its products																
12_0007	Milk, cow, skimmed				0.001	0.001		0.022	0.0001		0.0002	0.003		0.001	0.0003	ღ	
12_0008	Milk, cow, whole fat (pasteurised, UTH)	Î			0.036	0.053		0.834	0.005		0.007	0.094		0.034	0.013		0.008
12 0010	Milk, goat, combined breeds					0.089	0	1.07				0.119	6		0.044	4	

L 55 DeСи3 (მ)							0.143	
ES0 D4N6 (g)								
E50 D4 (8)								
L T8 D3CИ3 (8)		0.315		3.12	7.39	0.25	0.19	
Ł78 D3 (â)			0.2					0.3
ET8 DSCNe (8)		2.166		12.8	18.0	9.6	31.7	
ET8 DS (8)			51.5					41.3
E54 DTCN6 (8)					0.2			
ESS DTCN6 (6)					0.3			
ES0 DTCNTT (8)				0.51	0.999	0.1	0.999	
ES0 DT (8)		0.1						0.2
ЕТ 8 D TCИ \ (8)				1.13				
ЕТ 8 D ТИ 3 (d)				25.9	41.9	36.85	44.5	
ET8 DT (8)		16.978	17.0					39.3
ЕТР DTCN (0)								
ET6 D1 (9)		0.961	0.8		0.200	0.300	0.071	0.200
Food name in English	ils	Butter, salted	Cottonseed oil	Margarine	Mayonnaise, salted	Palm oil	Peanut oil	Sesame oil
Code	13 Fat and oils	13_0001	13_0002	13_0006	13_0007	$13_{-}0009$	13_0010	13_0011

13_0012	Soybean oil 21	21.172	53.854	6.425	1.104
Annow 2	Antioxidant conscision of solowing	1,001 foods			

Annex 3. A	Antioxidant capacities of selected foods	w			
Code	Food name in English	Water (g)	Total phenol content (mg GAE)	Antioxidant capacity, DPPH (µmol TE)	Antioxidant capacity, ORAC (µmol TE)
01 Cereals and their products	sir products				
01_0007	Millet, Proso, whole-grain, raw	12.5			476
02 Pulses, legumes	02 Pulses, legumes and their products				
02_0001	Bengal gram, dehulled, split, dried, raw	10.5			745
02_0004	Black gram, split, dried, raw	10.5		1185	1368
02_0005	Green gram, split, dried, raw	8.6			858
02_0007	Grass pea, split, dried, raw	9.4		820	752
02_0008	Lentil, dried, raw	12.2			593
03 Vegetables and their products	their products				
03_0002	Bean, scarlet runner, raw	85.0			2784
03_0003	Bean, seeds and pods, raw	0.06	150	2011	
03_0005	Brinjal, purple, long, raw	91.4	59	06	709
03_0007	Cabbage, raw	92.7		273	478
03_0008	Carrot, raw	89.7			376
03_0009	Cauliflower, raw	91.8	968	74	
03_0010	Chilli, green, with seeds, raw	85.5	968	74	3225
03_0012	Cucumber, peeled, raw	95.1		3904	292
03_0016	Gourd, bitter, raw	90.4			411
03_0017	Gourd, bottle, raw	8.06		2435	309
03_0023	Okra/Lady's finger, raw	87.7		4810	1831
03_0024	Onion, raw	83.7	18	199	1194
03_0028	Pumpkin, raw	93.9			246
03_0029	Radish, raw	94.3	108	1292	297
03_0031	Tomato, red, ripe, raw	95.0	33	277	260

Code	Food name in English	Water (g)	Total phenol content (mg GAE)	Antioxidant capacity, DPPH (µmol TE)	Antioxidant capacity, ORAC (µmol TE)
04 Leafy vegetables					
04_0002	Alligator weed, raw	84.7	56	14	
04_0003	Amaranth, leaves, spiney, raw	81.8	4	41	
04_0004	Amaranth, leaves, red, raw	88.8	765	13110	
04_0005	Amaranth, leaves, green, raw	91.0	722	9440	
04_0008	Bengal dayflower, leaves, raw	92.3	13	41	
04_0017	Drumstick, leaves, raw	79.7	43	134	
04_0024	Slender amaranth, leaves, raw	83.9	37	139	
04_0025	Spinach, raw	8.06	258	171	1628
04_0026	Sweet potato leaves, raw	84.0	23		
04_0027	Sweet potato leaves, SP4, dark green, mature, raw	83.3	26		
04_0028	Sweet potato leaves, SP7, dark green, mature, raw	82.4	24		
04_0029	Sweet potato leaves, SP8, light green, mature, raw	82.6	19		
04_0030	Water spinach, raw	87.1	2765	832880	
05 Starchy roots, tubers and their products	s and their products				
05_0005	Potato, Diamond, raw	81.7	14	130	
06 Nuts, seeds and their products	ir products				
6000 90	Linseed, raw	6.5		35672	7911
06_0012	Mustard seeds, dried	8.5		2045	16291
06_0015	Sesame seeds, whole, dried	5.3		838	
07 Spices, condiments and herbs	and herbs				
07_0003	Chilli, red, dry	10.0		4517	18740
9000_70	Coriander leaves, raw	87.9			835
2000_70	Coriander seed, dry	11.2		3908	9143
6000_70	Fennel seeds	8.3		6182	29775
07_0012	Indian pennywort, raw	84.5	781	203	
07_0019	Spearmint leaves, fresh	87.4	1755	3848	
07_0020	Turmeric, dried	11.5		4492	184806
		1			

Code	Food name in English	Water (g)	Total phenol content (mg GAE)	Antioxidant capacity, DPPH (µmol TE)	Antioxidant capacity, ORAC (µmol TE)
08 Fruits					
08_0004	Banana, Sagar, ripe, raw	75.2	П	92	622
2000_80	Carambola, raw	88.7	2	153	
08_0012	Emblic, raw	86.7		18578	8736
08_0015	Guava, green, raw	81.4		1217	4779
08_0016	Hog plum, raw	86.7	3	44	
08_0017	Jackfruit, ripe, raw	77.0	е	82	
08_0018	Jambolan, raw	88.2	2	25	
08_0019	Jambos, raw	89.5	1	20	
08_0020	Java apple, raw	89.9	09	153	
08_0024	Lychee, raw	81.8	10	24	
08_0026	Mango, Langra, yellow flesh, ripe, raw	78.4	12	108	
08_0028	Monkey-jack, yellowish-orange flesh, raw	72.3	က	80	
08_0033	Palmyra palm, cotyledon, raw	92.0	8	30	
08_0035	Papaya, ripe, raw	90.5			298
08_0038	Pineapple, ripe, raw	87.2	8	21	
08_0042	Watermelon, ripe, raw	94.2		21	51
08_0043	Wood apple, ripe, raw	68.5		2070	17933
14 Beverages					
14_0009	Tea, powder	5.7	881	318	

Annex 4. Antinutrients of selected foods

Code	Food name in English	Water (g)	PHYTAC (mg)	OXALAC (mg)
01 Cereals and their products				
01_0001	Barley, whole-grain, raw	11.7		2
01_0005	Maize/corn, yellow, dried, raw	13.1		9
01_0008	Pear millet, whole-grain, raw	12.4		21
01_0010	Rice flaked	6.6	851	0
01_0012	Rice, BR-28, parboiled, milled, raw	12.4	66	1
01_0023	Rice, puffed, salted	7.3	656	
01_0024	Rice, white, sunned, aromatic, raw	12.8	92	1
01_0025	Rice, white, sunned, polished, milled, raw	12.2	162	1
01_0026	Semolina, wheat, raw	12.8	367	
01_0027	Sorghum, raw	11.9		10
01_0030	Wheat flour, brown, whole grain, raw	12.3		8
01_0031	Wheat, flour, white	12.2	227	
01_0032	Wheat flour, white, refined	12.8	147	
01_0033	Wheat, whole, raw	10.0		8
02 Duleas lanumas and thair products	nradirete			
02 0001	Bendal gram, dehulled, split, dried, raw	10.5	829	
02_0002	Bengal gram, whole, dried, raw	8.9	289	
02_0004	Black gram, split, dried, raw	10.5	708	
02_0005	Green gram, split, dried, raw	9.8	580	
02_0007	Grass pea, split, dried, raw	9.4	260	
02_0008	Lentil, dried, raw	12.2	133	
02_0009	Pea, dried, raw	11.7	377	
02_0010	Red gram, split, dried, raw	10.8	674	

Code	Food name in English	Water (g)	PHYTAC (mg)	OXALAC (mg)
03 Vegetables and their products	ducts			
03_0003	Bean, seeds and pods, raw	0.06		25
03_0008	Carrot, raw	89.7		9
03_0010	Chilli, green, with seeds, raw	85.5		29
03_0024	Onion, raw	83.7		က
03_0031	Tomato, red, ripe, raw	95.0		4
04 Leafy vegetables				
04_0004	Amaranth leaves, red, raw	88.8	10	
04_0005	Amaranth, leaves, green, raw	91.0	16	
04_0008	Bengal dayflower, leaves, raw	92.3	2	
04_0010	Bottle gourd leaves, raw	90.2	က	
04_0011	Bugleweed, raw	88.6	10	
04_0012	Cassava, leaves, raw	82.4	4	
04_0014	Colocasia leaves, green, raw	84.7	10	
04_0016	Dima leaves, raw	91.1	1	
04_0021	Jute leaves, raw	87.6	14	
04_0023	Radish leaves, raw	2.06	2	
04_0030	Water spinach, raw	87.1	2	
05 Starchy roots, tubers and their products	d their products			
05_0005	Potato, Diamond, raw	81.7		12
05_0010	Yam, tuber, raw	73.1	59	15
06 Nuts, seeds and their products	oducts			
06_0002	Cashew nuts, raw	5.9		318
07 Spices, condiments and herbs	herbs			
07_0003	Chilli, red, dry	10.0		29

9000_70	Coriander leaves, raw	87.9	47
07_0012	Indian pennywort, raw	84.5	
07_0019	Spearmint leaves, fresh	87.4	33

Code	Food name in English	Water P	PHYTAC (mg)	OXALAC (mg)
08 Fruits				
08_0002	Apple, with skin, raw	83.3		10
08_0004	Banana, Sagar, ripe, raw	75.2		က
80008	Custard apple, raw	76.1		30
08_0012	Emblic, raw	8 86.7		296
08_0015	Guava, green, raw	81.4		14
08_0017	Jackfruit, ripe, raw	77.0		10
08_0018	Jambolan, raw	88.2		68
08_0024	Lychee, raw	81.8		19
08_0025	Mango, Fazli, orange flesh, ripe, raw	81.7		က
08_0026	Mango, Langra, yellow flesh, ripe, raw	78.4		m
08_0027	Melon, Futi, orange flesh, ripe, raw	95.0	20	2
08_0028	Monkey-jack, yellowish-orange flesh, raw	72.3	26	
08_0029	Muskmelon, Bangee, light orange flesh, ripe, raw	95.5		2
08_0031	Orange, raw	87.7		10
08_0035	Papaya, ripe, raw	90.5	23	1
08_0037	Pineapple, Joldugee, ripe, raw	88.7		വ
08_0038	Pineapple, ripe, raw	87.2		വ
08_0039	Pomegranate, ripe, with seed, raw	80.9		14
08_0042	Watermelon, ripe, raw	94.2	10	11
08_0043	Wood apple, ripe, raw	68.5	121	
14 Beverages				
14_0001	Coconut water	94.5		318

Annex 5. Total sugar of selected foods

Code	Food name in English	Water (g)	SUGAR (q)
01 Cereals and their products		ì	
01_0034	Biscuit, sweet*	24.3	17.5
08 Fruits			
08_0001	Apple, without skin, raw	86.7	10.1
08_0002	Apple, with skin, raw	83.3	10.4
08_0003	Asian pears, raw	83.0	10.2
08_0004	Banana, Sagar, ripe, raw	75.2	12.2
08_0005	Breadfruit, raw	79.5	11.0
08_0007	Carambola, raw	88.7	4.0
08_0010	Dates, raw	59.2	32.5
08_0015	Guava, green, raw	81.4	7.6
08_0021	Jujube, raw	84.3	8.2
08_0025	Mango, Fazli, orange flesh, ripe, raw	81.7	13.7
08_0026	Mango, Langra, yellow flesh, ripe, raw	78.4	17.8
08_0031	Orange, raw	87.7	7.6
08_0032	Orange, Sweet, ripe, raw	86.3	9.4
08_0034	Palmyra palm, pulp, orange flesh, ripe, raw	79.7	10.1
08_0035	Papaya, ripe, raw	90.5	6.2
08_0036	Persimmon, ripe, raw	81.2	12.3
08_0037	Pineapple, Joldugee, ripe, raw	88.7	7.3
08_0038	Pineapple, ripe, raw	87.2	8.3
08_0042	Watermelon, ripe, raw	94.2	4.2

Code	Food name in English	Water (g)	SUGAR (g)
12 Milk and its products			
12_0001	Buttermilk, fluid, low fat	92.2	3.1
12_0003	Curd, sweetened, whole milk	80.6	10.3
12_0006	Milk, cow, powder, whole	3.2	37.5
12_0007	Milk, cow, skimmed	92.1	4.1
12_0008	Milk, cow, whole fat (pasteurised, UTH)	88.3	4.3
12_0009	Milk, cow, whole, condensed, sweetened	26.5	54.0
12_0010	Milk, goat, combined breeds	87.2	4.3
12_0011	Milk, human, colostrum, raw	88.2	9.9
12_0012	Milk, human, mature, raw	87.4	7.0
14 Beverages			
14_0001	Coconut Water	94.5	2.6
14_0002	Coffee infusion (instant with sugar and milk powder, whole fat)	91.3	6.0
14_0004	Soft drinks, carbonated	89.6	10.3
14_0007	Tea infusion (with sugar and milk powder, whole fat)	90.4	5.9
14_0008	Tea, infusion (with sugar)	92.4	6.3
15 Miscellaneous			
15_0003	Honey	18.2	78.6
15_0008	Sugar, white	0.4	99.5

Annex 6. List of recipes

Ruti (10 numbers)

Ingredients

Ingredients	Weight (g)
Wheat flour	280
Water	159
Salt	2

Yield factor: 0.86

Procedure

Wheat flour is kneaded into a medium soft dough using water and salt. The dough is kept aside for approximately ten minutes. The dough is divided into ten equal portions and shaped into small balls. Each ball is then rolled out on a flat board into even and flat, circular shapes, known as 'ruti'. It is then roasted in a pan or griddle known as 'tawa'.

Five servings

Sweet biscuit

Ingredients

Ingredients	Weight (g)
Wheat flour	84
Sugar	28
Ghee, vegetable/Vanaspati	14
Baking powder	1
Water	22

Yield factor: 1.03

Procedure

Sugar is powdered and sieved along with flour and baking powder. Butter or vanaspati is added and the mixture is made into a medium to stiff dough with some milk or water. The dough is rolled out, cut into rounds or squares and put into a greased pan. This baked in a pre heated oven at 120 °C for about half an hour.

6 - 7 biscuits (3 servings)

Plain Khichuri

Ingredients

Ingredients	Weight (g)
Rice	28
Lentils	28
Bay leaf	0.5
Ghee or Vanaspati	14
Onion	7
Cumin	1
Salt	2
Water	180

Yield factor: 0.75

Procedure

Sliced onions are sauted in melted ghee or vanaspati in a pan. Cumin and bay leaf are added and stirred in. Cleaned and washed rice and lentils are added into the pan and sauted for 3 minutes. Hot water is then added, stirred well and cooked on low heat for about 20 minutes until the grains are soft cooked and the water is fully absorbed.

Two servings

Plain pulao

Ingredients

Ingredients	Weight (g)
Atap rice	150
Onion	5
Oil (Soya bean)	10
Cardamom, Cinnamon, Bay leaf	2
Ginger and Garlic paste	1
Salt	2
Water	345

Yield factor: 0.93

Procedure

Atop rice is washed thoroughly with clean water. In a cooking pan, oil, spices and the washed atop rice are put together and sauted for about 5 minutes. Hot water is then added, after which the pan is covered. When the ingredients are cooked properly, the pan is taken off the heat. Garnish is added as desired.

Three servings

Lady's finger-tomato bhuna

Ingredients

Ingredients	Weight (g)
Lady's finger/okra	300
Tomato	95
Onion	3
Ginger paste	4
Garlic	2.8
Turmeric powder	0.8
Green chillies	3.4
Soybean oil	16
Salt	3

Yield factor: 0.54

Procedure

Lady's finger/okra and tomatoes are washed, cut into medium pieces and kept aside for 5 minutes. Oil is put in a nonstick frying pan and all ingredients, except ladies finger are added to the oil. The ladies finger is then added, mixed well and sauted. After that tomato is added and the pan is covered. The vegetables are cooked in mild heat for 15 minutes till done.

Three servings.

Bitter gourd fry

Ingredients

Ingredients	Weight (g)
Bitter gourd	320
Onion	30
Turmeric powder	2.5
Green chillies	5
Soybean oil	20
Salt	2.5

Yield factor: 0.62

Procedure

Bitter gourds, onion, and green chillies are washed and sliced. Oil is heated in a frying pan, bitter gourd and onions are added, sauted and cooked on mild heat for 15 minutes till done.

Four servings

Potato Mash (Bhorta)

Ingredients

Ingredients	Weight (g)
Potatoes	400
Onion	14
Green chillies	3.8
Mustard oil	2
Salt	2.6

Yield factor: 0.83

Procedure

Potatoes with skin are boiled and peels are removed. The potatoes are then mashed and finely cut green chillies, onion, salt and oil are added and mixed thouroughly.

Four servings

Small Fish Fry

Ingredients

Ingredients	Weight (g)
Kechki	150
Potato	96
Onion	35
Green chilli	5.5
Turmeric	1.7
Soya bean oil	17
Salt	2
Water	176

Yield factor: 0.73

Procedure

Small fish (kechki), onion, potato and green chillis are washed and then sliced. All the ingredients are mixed in a frying pan and put on the burner for heating. After 3 to 4 minutes, water is added and the pan is covered with a lid. When the ingredients become semi dry, the pan is removed from the heat.

Two servings

Fish ball

Ingredients

Ingredients	Weight (g)
Boneless fish	300
Onion	100
Green chilli	30
Soybean oil	20
Flour	200
Egg	90
Coriander leaves	20
Ginger paste	2.5
Garlic paste	2.5
Coriander powder	10
Salt	5
Water	120

Yield factor: 0.72

Procedure

Boneless fish fillet are washed properly and boiled until it becomes soft. Onion, green chilli, flour, egg, coriander leaves are added and mixed properly with the boiled fish. The mixture is shaped into small balls and fried in preheated oil till it turns golden brown.

Six balls (medium sized)

Beef handi kabab

Ingredients

Ingredients	Weight (g)
Boneless beef	365
Onion	250
Green chilli	2
Soybean oil	50
Red chilli powder	5
Cardamom	1
Cinnamon	1
Ginger paste	2.5
Garlic paste	2.5
Coriander powder	9
Sugar	5
Salt	5
Water	50

Yield factor: 0.82

Procedure

Boneless beef is washed thoroughly. Onion, red chilli, green chilli, cardamom, cinnamon, ginger paste, garlic paste and coriander powder are fried together in oil. Then meat is added to mixed spices. Water is added and cooked until the meat becomes tender.

Eight servings

Payesh

Ingredients

Ingredients	Weight (g)
Atap rice	60
Milk	1250
Sugar	265
Cardamom	0.6

Yield factor: 0.64

Procedure

Milk is boiled in a heavy bottomed pan. After that atap rice and cardamom are added and cooked at high a temperature till it simmers. When the rice is fully cooked, sugar is added and the rice –milk mixture is further heated. When the mixture turns semi-thick and is done, it is removed from the pan and poured in a dessert bowl.

Annex 7. Food Index

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
04_0001	Agathi, raw	Bok ful shak	Sesbania grandiflora	P6(301), IND(47), TH(THD25), P103	33
04_0002	Alligator weed,	Malancha shak	Alternanthera philoxeroides	ABT, T26, TH(THD219), P103	33
04_0033	Amaranth leaves, green, boiled* (without salt)	Data shak, sobuj, siddha, lobon chara	Amaranthus gangeticus	Recipe calculation	33
04_0005	Amaranth, leaves, green, raw	Data shak	Amaranthus gangeticus	P58 ,P90, P6(302), P8, R5, T29, P48, T30, P47, ADB(0500561) US25(11003), IND(50), UK6(13- 149), T100, WEA(04_023)	33
04_0032	Amaranth leaves, red, boiled* (without salt)	Lal shak, siddha, lobon chara	Amaranthus gangeticus	Recipe calculation	33
04_0004	Amaranth leaves, red, raw	Lal shak	Amaranthus gangeticus	P6(304),P8,P52,P48, R5,T65,P90,P41,T2 9,P83,T30,US25(110 03),UK6(13-149), T100	33
04_0003	Amaranth leaves, spiney, raw	Kanta notay shak	Amaranthus spinosus	ABT, P6(305), T26, IND(53),BID(05000 46), BID(0500132), BID(0500134),US25 (11003), UK6(13- 149), P103	33
03_0001	Amaranth, stem, raw	Data	Amaranthus gangeticus	P6(501), P27, IND(50), P100	21
09_0001	Anchovy, Gangetic hairfin, dried	Fesha, shutki	Setipinna phasa	P6 (926), US25 (15001)	75
09_0002	Anchovy, Gangetic hairfin, raw	Fesha	Setipinna phasa	R4, P6 (926), US25 (15001)	75
09_0003	Anchovy, Goldspotted grebadier, raw	Olua	Coilia dussumieri	R4, P46, P47	75
09_0004	Anchovy, Scaly hairfin, raw	Fesha, Teli	Setipinna taty	R4, US25(15001)	75
08_0002	Apple, with skin, raw	Apel, khosa soho	Pyrus malus/Malus domestica	P6(803), P8, US25(09003)	63
08_0001	Apple, without skin, raw	Apel, khosa chara	Pyrus malus/Malus domestica	US25(09004)	63

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
08_0003	Asian pears, raw	Nashpati	Pyrus pyrifolia	P6(841), T70, UK6(14-205), US25(9340)	63
15_0001	Baking powder	Baking powder		DK7(0389), UK6(17- 355)	119
08_0004	Banana, Sagar, ripe, raw	Kola, Sagar, paka	Musa paradisiaca	KF, IND (245), US25 (09040), UK6 (14-045),DK7(0014)	63
09_0005	Barb, Olive, raw	Sorpunti	Puntius sarana	P6(956), R4, P65, P92, T70, T47, T39, T18, TH (THG80)	75
09_0006	Barb, Olive, without bones, raw	Sorpunti, kata chara	Puntius sarana	P6(956), R4, P65, P92, T70, T47, T39, T18, TH (THG80), BID(0900001)	75
09_0007	Barb, Pool barb, eyes included, raw	Punti, Vadi punti, chokh soho	Puntius sophore	R4, P93, P56, T70, P8, IND (372), T102, T70	75
09_0008	Barb, Pool barb, without bones, eyes included, raw	Punti, Vadi punti, chokh soho, kata chara	Puntius sophore	P6(931), P8,T42, T46, T70, T102, R4, IND(372), R4	75
01_0001	Barley, whole- grain, raw	Jaab, gota	Hordeum vulgare	P1, P6(101), DK7(0024), UK6(11-004), US25(20004)	3
09_0009	Bata, raw	Bata	Labeo bata	P46, P30, R4, P6(903, 907, 909), P64, IND(316)	75
07_0001	Bay leaf, dried	Tejpata	Laurus nobilis	US25(020004)	55
03_0002	Bean, scarlet runner, raw	Shim	Phaseolus coccineus	P18, P6(503), P52, P41, R6, P72, UK6(13-112), P100	21
03_0003	Bean, seeds and pods, raw	Shim	Dolichos lablab	KF, US25(11224)	21
10_0016	Beef handi kabab*	Haaree kabab (goru)		Recipe calculation	93
10_0001	Beef liver, raw	Gorur koliza	Bos taurus	T70, US25(13325), VIN(317)	93
10_0003	Beef, meat, 15- 20 % fat, boneless, raw	Gorur mangsaw, har chara	Bos taurus	DK7(0202)	93
10_0002	Beef, meat, lean, boneless, raw	Gorur mangsaw, har o chorbi chara	Bos taurus	P6(1001), P8,P59,P92,T70,DK 7(0199), IND(398)	93
10_0004	Beef, mince, lean, raw	Gorur mangsaw, kima	Bos taurus	P59, US25(23557)	93

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
04_0007	Beet greens leaves	Beet shak	Beta vulgaris	P6, US25(11086), IND(60),BID(050016), BID(050027)	33
03_0004	Beet root, red, raw	Beet	Dolichos lablab	P6(401), US25(11080), DK7(0232)	21
04_0008	Bengal dayflower, leaves, raw	Bat baitta shak	Commelina benghalensis	T15, T16, ABT, T26, T61, BID(0500258)	33
02_0001	Bengal gram, dehulled, split dried, raw	Chholar dal, vanga	Cicer arietinum	T70, P74, P49, IND (29), US25 (16056), UK6 (13- 076), P6(203), R6, T1	15
02_0002	Bengal gram, whole dried, raw	Chhola, shukna	Cicer arietinum	T17, T20, P58, T25, P86, T70, P6 (202), P8, P73, IND(28), US25(16056), UK6 (13-074)	15
02_0012	Bengal gram, whole, boiled* (without salt)	Chhola siddha, lobon chara	Cicer arietinum	Recipe calculation	15
15_0002	Betel leaves, raw	Pan pata	Piper betel	P6(1402), IND(62), MALY(105011), UK6(13- 807)	119
01_0034	Biscuit, sweet*	Misti biscuit		Recipe calculation	3
04_0009	Bitter gourd leaves, green, raw	Korola shak	Momordica charantia	R5, T16, US25(11022), TH(TH128), IND (480),BID(0500071),BID(0500072)	33
02_0003	Black gram, dehulled, dried raw	Mashkalai dal, asto	Vigna mungo	P58, T70, P6(205), P8, T20, UK6(13-096), US25(16083), DK7(0485)	15
02_0004	Black gram, split dried, raw	Maskalai dal, vanga	Vigna mungo	P49, T17, T25, P74, R6,T70, P40, T1, P3, IND(31), UK6(13-098), US25(16083), DK7(0485)	15
09_0010	Boal, without bones, raw	Boal, kata chara	Wallago attu	P6(912), T14, T70, UK6(16-004)	75
04_0010	Bottle gourd leaves, winter and summer, raw	Lau shak	Lagenaria siceraria	P6(308), P8, P52, R5, T29, P83, T30, IND(63), P100, average of leafy vegetables	33
01_0002	Bread, bun/roll	Bonruti, bun/roll		DK7(1469)	3
01_0003	Bread, white, for toasting	Pawruti		P6 (1406), DK7(0528), UK6(11-468), US25(18070)	3
08_0005	Breadfruit, raw	Madar	Artocarpus altilis	P6(811), US25 (09059), UK6 (13-167)	63

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
03_0005	Brinjal, purple, long, raw	Begun, kalo lomba	Solanum melongena	KF, US25(11209), DK7(0010), IND(142)	21
03_0033	Brinjal, purple, long, boiled* (without salt)	Begun siddha, lobon chara	Solanum melongena	Recipe calculation	21
03_0006	Broad beans, raw	Makhon shim	Vicia faba	P6(504), US25(11088), UK6(13-064)	21
09_0011	Bronze featherback, raw	Foli	Notopterus notopterus	P64, T70, P6 (930), IND (336)	75
10_0005	Buffalo meat, raw	Mohish er mangsaw	Bubalus bubalis	P6(1002),US25(17160), VIN(301), Beef meat <15 % fat, own DB, IND(399)	93
04_0011	Bugleweed, raw	Sabarang	Ajuga macrosperma	R5, T15, T16	33
08_0006	Bullocks Heart, ripe, raw	Nona ata	Annona reticulata	P6(812), EAS(851), IND(249)	63
13_0001	Butter, salted	Makhon, nonta		P6(1301), US25(01001), UK6(17- 485)	110
12_0001	Buttermilk, fluid, low fat	Ghol		P6(1202), UK6(12- 022), US25 (01088), DK7(0168)	103
03_0034	Cabbage, boiled* (without salt)	Badhakopi siddha, lobon chara	Brassica oleracea	Recipe calculation	21
03_0007	Cabbage, raw	Badhakopi	Brassica oleracea	P6(508), P18, P8, P41, P83, T32, R6, T15, T16, P90, T70, P94, P6(309), P52, P58, T70, P52, P47, US25(11109), DK7(0088), UK6(13- 468), IND(66), T30	21
09_0012	Calbasu, without bones, raw	Kalbaush	Labeo calbasu	P64, P6 (913), P30, T47, T14, ADB (0901546), UK6 (16- 132), IND (377)	75
08_0007	Carambola, raw	Kamranga	Averrhoa carambola	P6(808), P50, P23, P41, T28, T29, T62, T70, T65, DK7(0630), US25(9060)	63
07_0002	Cardamom	Elach	Elettaria cardamomum	P6(701),US25(02006), UK6(13-809), IND(216)	
03_0035	Carrot, boiled* (without salt)	Gajor siddha, lobon chara	Daucus carota	Recipe calculation	21
03_0008	Carrot, raw	Gajor	Daucus carota	KF, US25(11124), DK7(1128), IND(118), VIN(89)	21
06_0002	Cashew nuts, raw	Hizlee badam	Anacardium occidentale	P6(601), US25 (12087), UK6(14-811)	49

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
04_0012	Cassava, leaves, raw	Simei alu shak	Manihot esculenta	T15, T16, T61,TH(THD137), BID(0500127), BID(0500128), WEA (04_008)	33
09_0013	Catfish, Bacha, raw	Bacha	Eutropiichthys vacha	P6 (902), R4, IND (313)	75
09_0014	Catfish, Pabdah, raw	Pabda	Ompok pabda	P56, R4, P6(917), P47, P92, P8, IND(365)	75
09_0015	Catla, raw	Katla	Catla catla	P6(918), P30, T38, P64, P92, IND(347), ADB(0901475, 0901547), UK6(16-186)	75
03_0036	Cauliflower, boiled* (without salt)	Fulkopi siddha, lobon chara	Brassica oleracea var. Botrytis	Recipe calculation	21
03_0009	Cauliflower, raw	Fulkopi	Brassica oleracea var. Botrytis	P6(509), P8, P27, P41, T15, T16, P90, T70, P52, T64, P47, US25(11135), DK7(0017), TH(THD9),UK6(13- 215), VIN(181)	21
09_0016	Chanda, Indian glaasy fish, eyes included, raw	Chanda, Ranga, chokh soho	Parambassis ranga	P56, R4, P93, T102	77
12_0002	Cheese, cottage, 25% fat	Poneer		P6(1203), T70, UK6(12-368)	103
10_0006	Chicken breast, without skin, raw	Murgi, buker mangsaw, chamra charano	Gallus bankiva murghi	KF, US25(05011), DK7(0097)	93
10_0007	Chicken leg, without skin, raw	Murgi, ranner mangsaw, chamra charano	Gallus bankiva murghi	KF, US25(05080), UK6(18-289)	93
10_0008	Chicken liver, raw	Murgir koliza	Gallus bankiva murghi	T70, US25(05027)	93
06_0003	Chilgoza pine, dried	Chilgoza	Pinus gerardiana	P6(602), US25(12147), UK6(14-839), DK7(0654)	49
07_0003	Chilli, red, dry	Shukna morich	Capsicum frutescens	P6(702), P8, P41, R6, US25(02031), IND(217)	
03_0010	Chilli, green, with seeds, raw	Kancha morich	Capsicum annuum	KF, US25(11333), IND(157), DK7(0676), R5	21
07_0004	Cinnamon, ground	Darchini gura		US25(02010)	
09_0017	Climbing perch, indigenous, eyes included, raw	Koi, deshi, chokh soho	Anabas testudineus	P6 (922), P47, R4, P64, P92, T70, T40, TH (THG140), T102	77

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
09_0018	Climbing perch, Thai, without bones, eyes included, raw	Koi, Thai, chokh soho	Anabas testudineus	P6 (922), P47, R4, P64, P92, T70, T40, TH (THG140), T102	77
07_0005	Cloves, dried	Labongo	Syzygium aromaticum	P6(703),US25(02011)	55
09_0019	Clown knifefish, without bones, raw	Chital, kata chara	Chitala chitala	P6(929), T70, T18, TH (THG22), IND (333)	77
06_0004	Coconut Milk	Narikel dudh	Cocos nucifera	US25(12176),UK6(148 20), WEA(06_006)	49
14_0001	Coconut Water	Daber pani	Cocos nucifera	P6(814),P8, US25(12119), IND(198), WEA(06- 007)	116
06_0005	Coconut, desiccated	Narikel, shukna	Cocos nucifera	P6(603), UK6(14-873), IND(194), WEA(06_005)	49
06_0006	Coconut, mature kernel	Narikel	Cocos nucifera	P6(604),P8, US25(12104), UK6(14- 816),DK7(0126), VIN(50- 3001),WEA(06_002),I ND(195)	49
14_0002	Coffee infusion (instant with sugar and milk powder, whole fat)	Coffee, dudh o chini soho		Recipe calculation	116
14_0003	Coffee, powder	Coffee		US25(14214)	116
04_0013	Colocasia leaves, black, raw	Kalo kochu shak	Colocasia esculenta	P6, T30, P8,IND(72), T100, US25(11520), WEA(04_020)	33
04_0014	Colocasia leaves, green, raw	Shobuj kochu shak	Colocasia esculenta	P52, P83, T16, P94, P6(344), P8, R5, T30, IND(73), T100	36
05_0011	Colocasia/Taro, boiled* (without salt)	Kochur Mukhi siddha, lobon chara	Colocasia esculenta	Recipe calculation	43
05_0001	Colocasia/Taro, corm, raw	Kochur Mukhi	Colocasia esculenta	P47,T58, P6(410), P6(411), IND (119), UK6(13- 376),US25(11518), TH(THB7)	43
05_0017	Colocasia/Taro/T annia, cormel, boiled* (without salt)	Dudh kochu siddha, lobon chara	Xanthosoma violaceum	Recipe calculation	43

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
05_0002	Colocasia/Taro/ Tannia, cormel, raw	Dudh kochu	Xanthosoma violaceum	T58, T58, IND (119),US25(11518), WEA(02_005), UK6(13- 376), BID(200091)	43
09_0020	Common carp, without bones, raw	Commmon carp, kata chara	Cyprinus carpio	T47, P64, P92, UK6 (16- 172), US25 (15008), ADB (0901340, 0901477, 0901485), WEA (09_021), (THG101)	77
07_0006	Coriander leaves, raw	Dhone pata	Coriandrum sativum	P6(314), P8,P41,P52,P58,P83,P90, R5,T30, US25(11165), DK7(1475), IND(75)	55
07_0007	Coriander seed, dry	Dhonia	Coriandrum sativum	P6(704), R6, US25(02013), DK7(0526), IND(221)	55
13_0002	Cottonseed oil	Tular bij er tel	Gossypium herbaceum	P38, US25(04502), UK6(17-034)	110
03_0037	Cowpea, boiled* (without salt)	Borboti siddha, lobon chara	Vigna unguiculata	Recipe calculation	
04_0015	Cowpea, leaves, raw	Borboti pata	Vigna unguiculata	P6(315), WEA (04_010), IND(76), average of leafy vegetables	36
03_0011	Cowpea, pods and seeds, raw	Borboti	Vigna unguiculata	P8, P58, P6(511), T26, US25(11191), TH(THD45),IND(148)	21
09_0021	Croaker, Blackspotted, without bones, raw	Poa, kata chara	Protonibea diacanthus	T23, T19, T68, ADB (0901809, 0901808), EAS (1253), US25(15020)	77
03_0012	Cucumber, peeled, raw	Shosa	Cucumis sativus	P6(512), P18, P8, P50, R6, P58, P52, IND(149), US25(11206), UK6(13- 233), TH(THD34)	21
07_0008	Cumin seeds	Jira	Cuminum cyminum	P6(705), US25(02014), UK6(13-820), IND(222)	55
12_0003	Curd, sweetened, whole milk	Doi, misti		P6(1205), DK7(0335)	103
08_0008	Custard apple, raw	Atafol	Annona squamosa	P6(813), P8, P50, T70, T62, IND(304), UK6(14- 076), US25(09321)	63
08_0009	Dates, dried	Khorma	Phoenix dactylifera	P6 (816), P8, IND (254), UK6(14-085), US25 (09087)	63
08_0010	Dates, raw	Khejur, paka, taza	Phoenix sylvestris	P6(815), IND(255), UK6(14-083)	63
09_0022	Day's mystus, combined species, eyes included, raw	Tengra, bivinno projati, chokh soho	Mystus tengara, Mystus bleekeri, Mystus gulio, Mystus vittatus	R4, P64, T66, P47, P56, P92, P8, P6 (963), IND (394), T102	77

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
04_0016	Dima leaves, raw	Dima shak	Glinus oppositifolius	P83, T30, T15, T16, T61	36
04_0006	Dock leaves, raw	Chukai shak, bivinno projati	Rumex vesicarius, Rumex crispus, Rumex lanceolatus	P6(313), P8, IND (58),BID(0500033),BI D(0500085), average of leafy vegetables	33
04_0017	Drumstick, leaves, raw	Sajna pata	Moringa oleifera	ABT, P6(316), T26 ,P61, US25(11222), UK6('13-236), WEA(04_011), IND (78),BID(0500141), P102, PIT(C055)	36
03_0013	Drumstick, pods, raw	Sajna data	Moringa oleifera	P58, P6 (513), P8, P61, IND(151), US25(11620),UK6(13- 238)	24
10_0009	Duck, meat, raw	Hash er mangsaw	Anas platyrhynchos	P6(1004), US25(05141), DK7(1037), DK7(0007), UK6(18- 489), IND(400)	93
11_0006	Egg, chicken, native, boiled* (without salt)	Deshi Murgir dim siddha, lobon chara	Gallus bankiva murghi	Recipe calculation	
11_0002	Egg, chicken, native, raw	Murgir dim, deshi	Gallus bankiva murghi	R5, T9, IND (402), 11_0001	100
11_0003	Egg, chicken, yolk, raw	Murgir dim er kusum, deshi	Gallus bankiva murghi	T9, US25(01125), UK6(12-805), DK7(0339)	100
11_0007	Egg, duck, whole, boiled* (without salt)	Hash er dim, siddha, lobon chara	Anas platyrhynchos	Recipe calculation	100
11_0004	Egg, duck, whole, raw	Hash er dim	Anas platyrhynchos	P6, P8, R5, T9, T70, US25(01138), DK7(1033)	100
11_0001	Eggs, chicken, farmed, raw	Murgir dim, farm er	Gallus bankiva murghi	KF, UK6(12-918), IND(402), R5	100
11_0005	Eggs, chicken, farmned boiled* (without salt)	Murgir dim, siddha, lobon chara	Gallus bankiva murghi	Recipe calculation	100
08_0011	Elephant apple, ripe, raw	Kodbel	Limonia acidissima	P50, P6(823), P8, T62, T70	63
05_0018	Elephant foot, corm, boiled* (without salt)	Ole kochu siddha, lobon chara	Amorphophallus campanulatus	Recipe calculation	43
05_0003	Elephant foot, corm, raw	Ole Kochu	Amorphophallus campanulatus	P6(413), T58, IND (119), UK6(13- 376),US25(11518), TH(THB13)	43
09_0028	Giant river-catfish, raw	Guizza	Mystus seenghala	P6, IND (311)	80

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
08_0012	Emblic, raw	Amloki	Phyllanthus emblica	P50, P6 (802), P8, P18, R5, R6, UK6 (14-001), IND(239)	63
04_0018	Farn, leaves, raw	Dheki shak	Diplazium esculentum	P83, T61, T30	36
07_0009	Fennel seeds	Mauri	Foeniculum vulgare	R6, US25(02018), UK6(13-827), DK7(0462)	55
07_0010	Fenugreek seeds	Methi	Trigonella foenum-graecum	P6(706),US25(02019), UK6(13-828)	55
04_0019	Fenugreek, leaves, raw	Methi shak	Trigonella foenum-graecum	P6(317), P52, BID(0500172), BID(0500194) UK6(13-243), IND(79), average of leafy vegetables	36
08_0013	Fig, ripe, raw	Dumur, paka	Ficus carica	P6(817), DK7 (0632), US25 (09089)	63
09_0023	Fish (Catla, Mrigal, Rohu), dorsal with skin, raw	Macher gada (Katla, Mrigal, Rui)	Catla catla, Cirrhinus cirrhosus, Labeo rohita	T38	77
09_0024	Fish (Catla, Mrigal, Rohu), ventral with skin, raw	Macher peti (Katla, Mrigal,Rui)	Catla catla, Cirrhinus cirrhosus, Labeo rohita	T38	77
09_0072	Fish ball*	Macher kopta		Recipe calculation	77
13_0003	Fish oil, cod liver	Kod liver tel		P6(1303),US25(04589), DK7(0315), UK6(17- 488)	110
10_0010	Frog, legs, raw	Bang	Bufo melanostictus	T70, US25(80200)	93
09_0025	Ganges river sprat, combined species, raw	Kachki, bivinno projati	Corica soborna and Sicamugil cascasia	R4, P56, T19, T68, P93, T70, T102, Shak	77
09_0026	Gangetic ailia, raw	Kajuli	Ailia coila	P6(960), P56, R4	77
09_0027	Gangetic mystus, raw	Gulsha	Mystus cavasius	R4, P64, P56	77
03_0014	Garlic, raw	Rosun	Allium sativum	P6(403), P41, P58,US25(11215),UK6(13-244)	24
13_0004	Ghee, cow	Ghee, gorur		T70, P6(1305), UK6(17-007), PAK(173)	110
13_0005	Ghee, vegetable	Dalda/Bonosh pati		P6(1306), T70, UK6(17-009), PAK(176)	110
09_0029	Giant seaperch, whole, dried	Vetkee, shutki	Lates calcarifer	P6 (911)	80

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09_0030	Giant seaperch,without bones, raw	Vetkee, kata chara	Lates calcarifer	T37, T67, P6(910),IND(321), TH(THG28), ADB(0901542), WEA(09_032)	80
05_0019	Giant taro, corm, boiled* (without salt)	Mankochu siddha, lobon chara	Alocasia macrorrhizos	Recipe calculation	43
05_0004	Giant taro, corm, raw	Mankochu	Alocasia macrorrhizos	T58, IND (119), UK6(13376),US25(11 518), BID(200087)	43
07_0011	Ginger root, raw	Ada	Zingiber officinale	P6(707), US25(11216), UK6(13-831), DK7(0667)	55
10_0011	Goat meat, lean, raw	Khaseer mangsaw	Capra hyrchusb	P6(1005),T70, US25(17168), WEA(07_046), IND(406)	93
09_0031	Goby, Tank goby, raw	Bele	Glossogobius giuris	P6 (904), R5, R4, P56, T70, EAS(1317)	80
09_0032	Gourami, Banded gourami, eyes included, raw	Khailsa, kata chara, chokh soho	Colisa fasciata	P6 (936), P64, P56, T70, R4, EAS (1325), T102	80
03_0015	Gourd, ash, raw	Chalkumra	Benincasa hispida	P6(517), P58, UK6(13-248), TH(THD107), US25(11220)	24
03_0047	Gourd, bitter, boiled* (without salt)	Korola siddha, lobon chara		Recipe calculation	24
03_0048	Gourd, bitter, fry*	Korola vaji	Momordica charantia	Recipe calculation	24
03_0016	Gourd, bitter, raw	Korola	Momordica charantia	P6(518), P18, P8, P52, P27, R6, R5, P58, P41, P94, P72, P6, UK6(13-252), TH(THD130)	24
03_0017	Gourd, bottle, raw	Lau	Lagenaria siceraria	R6, T70, P6(519), P8, P27, P58, U1, TH(04070), US25(11218), UK6(13-249)	24
03_0038	Gourd, pointed, boiled* (without salt)	Potol siddha, lobon chara	Trichosanthes dioica	Recipe calculation	24
03_0018	Gourd, pointed, raw	Potol	Trichosanthes dioica	P6(516), P8, P52, P41, T29, P72, R5, P58	24

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03_0019	Gourd, ridge, raw	Jhinga	Luffa acutangula	P27, P94, P47, P6(520), P8, T70, P52, P58, US25(11220), UK6(13- 254)	24
03_0020	Gourd, snake, raw	Chichinga	Trichosanthes anguina	P6(522), P27, T70, P52, P94, P58	24
03_0021	Gourd, sponge, raw	Dhundul	Luffa cylindrica	P8, P6(530), P27, P94, TH(04077), US25(11220)	24
03_0039	Gourd, teasle, boiled* (without salt)	Kakrol siddha, lobon chara	Momordica dioica	Recipe calculation	24
03_0022	Gourd, teasle, raw	Kakrol	Momordica dioica	P6(526), P8, P27, R5, P58, UK6(13-250), US25(11220)	24
08_0014	Grapes, green, raw	Angur, halka sobuj	Vitis vinifera	P6(819), IND(258), DK7(0329), US25(09132)	63
02_0007	Grass pea, split dried, raw	Khesari dal, vanga	Lathyrus sativus	P74, P8, P31, T1, P3, P6(208), P53, P49, T20, T25, R6, P70, T70, T17, IND(37), Rache	15
02_0014	Grass pea, split, boiled* (without salt)	Khesari dal siddha, lobon chara	Lathyrus sativus	Recipe calculation	15
02_0005	Green gram, split dried, raw	Mung dal, vanga	Vigna radiata	T17, P49, T20, R6, T70, P6 (207), T1, T25, P74, IND(35), DK7(0485), UK6(13- 098)	15
02_0013	Green gram, split, boiled* (without salt)	Mung dal siddha, lobon chara	Vigna radiata	Recipe calculation	15
02_0006	Green gram, whole, dried, raw	Mungkalai	Vigna radiata	P6(206), P58, T70, T48, P8, IND(34), US25(16080), DK7(0485)	15
06_0007	Groundnuts/Pea nut, raw	China badam	Arachis hypogaea	P6(605),P8,P9,P19, US25(16087), UK6(14877), DK7(0193)	49
08_0015	Guava, green, raw	Peyara, bivinno variety, kancha	Psidium guajava	P6(818), P18, P8, R6, T70, U1, P14, P50, P20, P47, IND(261), US25(09139), UK6(14- 119), DK7(0627)	63
09_0033	Hilsa, without bones, raw	Ilish, kata chara	Tenualosa ilisha	T13, T38, P2, P92, P65, T39, P6 (934), T70, P47, UK6 (16-184), IND (341), ADB (0901529)	80

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08_0016	Hog plum, raw	Amra	Spondias pinnata	P50, P6(801), P8, P23, P41, T28, T65, T70, T62, IND (238)	63
15_0003	Honey	Modhu		P6(1410), DK7(0081), UK6(17-050), US25(19296), VIN(486- 12026)	119
07_0012	Indian penny wort, raw	Thankuni pata	Centella asiatica	ABT, P6(345), P8, P52, P83, R5, T26, T30, VIN(161-4079)	55
09_0034	Indian river shad, raw	Chapila	Gudusia chapra	R4, P56, P46, T46, P47, P63, T102	80
04_0036	Indian spinach, boiled*(without salt)	Pui shak siddha, lobon chara	Basella alba	Recipe calculation	36
04_0020	Indian spinach, raw	Pui shak	Basella alba	P6(321), P8, P27, P48, R5, P58, P94, P83, P41, T70, T30, US25(11587), BID(0500156), P100	36
09_0035	Indian threadfin, without bones, raw	Lakkha, gada, kata chara	Leptomelanosoma indicum	T23, PIT (H005), ADB (0901540), BID (090054)	80
09_0036	Indo-pacific king mackerel, without bones, raw	Surma/ Bijoram, kata chara	Scomberomorus guttatus	T23, ADB (0901528)	80
06_0008	Jackfruit seeds, raw	Kathal er bichi	Artocarpus heterophyllus	P6(1411) ,P8, T57, IND(159), TH(THC65), VIN(65- 3016)	49
08_0017	Jackfruit, ripe,	Kathal, paka	Artocarpus heterophyllus	KF, IND (264), US25 (09144)	66
15_0004	Jaggery, sugarcane, solid	Gur, Akh	Saccharum officinarum	P6(1417), IND(441), UK6(17-058)	119
15_0005	Jaggery/Panela, date pulm	Gur, Khejur	Phoenix sylvestiris	P6, IND(443)	119
15_0006	Jagggery liquid, date plum	Nolen gur	Phoenix sylvestiris	P89, IND(441), 15_0003	119
08_0018	Jambolan, raw	Kalojam	Syzygium cumini	P6(809), P8, P50, P23, R5, P41, T16, T28, T70, IND(266), US25 (09145)	66
08_0019	Jambos, raw	Jamrul	Syzygium jambos	P6 (848), T70, IND (302), US25 (600551)	66
08_0020	Java apple, raw	Golapjam	Syzygium samarangense	T28,P23, BID (0600188), BID(0600189), EAS (848)	66
08_0021	Jujube, raw	Boroi	Ziziphus mauritiana	P6(810), T70, P50, P17, P8, UK6 (14-122), US25 (09146)	66

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04_0021	Jute leaves, raw	Pat shak	Corchorus capsularis	P83, T16, P6(322), P8, P48, R5, T30,US25(11231) WEA(04_038), BID(050021)	36
09_0037	Kuria labeo, without bones, raw	Gonia	Labeo gonius	P30, P64, T67, UK6 (16-132), KF	80
10_0013	Lamb/Mutton, liver,raw	Verar koliza	Ovis aries	P6(1007),UK6(18- 413),WEA(07_053), IND(409)	93
10_0012	Lamb/mutton, meat moderately fat, raw	Verar mangsaw	Capra hyrchusb	P6(1008), P92,DK7(0138), WEA(07_004), IND(410)	93
07_0013	Lemon grass,	Lemon ghas	Cymbopogon citratus	P33,US25(11972),TH (N18)	55
07_0014	Lemon peel, raw	Lebur khosa	Citrus aurantifolia	P6(708), US25(09156), UK6(14127), DK7(0834), IND(226)	55
08_0022	Lemon, Kagoji, raw	Lebu, Kagoji	Citrus aurantifolia	P6 (825), P8, P41,U1, DK7 (0040, 0637), US25 (09150), IND (269), PAK (96)	66
02_0008	Lentil, dried, raw	Mosur dal	Lens culinaris	KF, IND(38), US25(16069), P74, UK6(13-091)	15
02_0015	Lentis, boiled* (without salt)	Mosur dal siddha, lobon chara	Lens culinaris	Recipe calculation	15
08_0023	Lime, Sweet, raw	Mushambee	Citrus limetta	P6 (829), UK6 (14- 128), DK7 (0040), US25 (09150), PAK (97)	66
06_0009	Linseed,Tisi, raw	Tisi	Linum usitatissimum	P6 (607),P9,P29,R6, US25(12220), IND(205), DK7(0480)	49
09_0038	Long- whiskered catfish, without bones, raw	Ayre, kata chara	Mystus aor	P92, T70, T14, IND (311)	80
06_0010	Lotus seeds, dried	Poddo gota, shukna	Nelumbo nucifera	P6(1412), P6(1413), ,US25(12013),VIN(12 3-4041)	49
06_0011	Lotus seeds, green	Poddo gota, kancha	Nelumbo nucifera	P6(1414), US25(12205), VIN(122- 4040),BID(0400039)	49

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08_0024	Lychee, raw	Lichu	Litchi chinensis	P6(827), P8, P50, R5, T28, T70, P69, IND (271), DK7(0638), UK6(14-142)	66
07_0015	Mace, ground	Jayitri, gura	Myristica fragrans	P6(709),US25(02002),UK 6(13834), IND(227)	55
09_0039	Mackerel, Narrow-barred Spanish, raw	Chompa	Scomberomorus commerson	P6 (915, TH (THG153), ADB(0901528), IND(388)	80
01_0004	Maize/corn flour, whole, white	Bhutta, atta		US25(20316), VIN(1019), DK7(0172)	3
01_0005	Maize/corn, yellow, dried, raw	Bhutta, shukna	Zea mays	P1, P6(103), P78, T1, T21, T54, IND(5),US25(20014), VIN(8-1008))	3
08_0025	Mango, Fazli, orange flesh, ripe, raw	Aam, Fazli, paka	Mangifera indica	T68, T32, P23, P24, P80, IND(278), UK6(14-294), US25(9176), PAK(99), DK7(0523)	66
08_0026	Mango, Langra, yellow flesh, ripe, raw	Aam, Langra, paka	Mangifera indica	KF, IND (278), DK7 (0523), UK6 (14-294), US25 (09176)	66
13_0006	Margarine	Margarine		DK7(1253), TH(TH11)	110
13_0007	Mayonnaise, salted	Mayonnaise, nonta		UK6(17-510), DK7(0184)	110
08_0027	Melon, Futi, orange flesh, ripe, raw	Futi, paka	Cucumis melo	P23, R5, IND (280), DK7 (0642, 0185), UK6 (14-162), US25 (09184)	66
12_0004	Milk, buffalo, whole fat	Mohiser dudh	Bubalus bubalis	P6(1211), US25(01108), BID	103
12_0005	Milk, cow, powder, skimmed	Gura dudh, Goru, makhon tola/noniheen		P73, P6(1208), DK7(0366), TH(09017)	103
12_0006	Milk, cow, powder, whole	Gura dudh, Goru		P6(1209), WEA(10_002), DK7(0367)	103
12_0007	Milk, cow, skimmed	Gorur dudh, makhon tola/noniheen		P6(1210), 12_0008	103
12_0008	Milk, cow, whole fat (pasteurised, UTH)	Gorur dudh, purno noni-jukto		KF, UK6(12-315)	103
12_0009	Milk, cow, whole, condensed, sweetened	Kondense milk, Goru, chini- jukto		US25(01095), UK6(12- 029)	103

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12_0010	Milk, goat, combined breeds	Chagoler dudh	Capra hircus	P6(1213), DK(0516), BID(1000196, 1000219, 1000222, 1000239, 1000240), UK6(12-328)	
12_0011	Milk, human, colostrum, raw	Shaldudh		WEA(10_019), DK7(1301), UK6(12- 038)	103
12_0012	Milk, human, mature, raw	Mayer dudh		P6(1206), DK7(1303), UK6(12-040), US25(01107)	103
01_0006	Millet, Foxtail, raw	Kaon	Setaria italica	P1,T1,EAF(26), IND(3), US25(20031), VIN(6-1006)	3
01_0007	Millet, Proso, whole-grain, raw	Cheena, gota- dana	Panicum miliaceum	P1, P6(104), DK7(0461), US25(20031)	3
09_0041	Minnow, Finescale razorbelly, dried	Chela, Fulchela, shukna	Salmophasia phulo	P6(921), IND (329, 330)	80
09_0040	Minnow, Finescale razorbelly, raw	Chela, Fulchela	Salmophasia phulo	R4, P64, P56, P6 (920)	80
09_0042	Minnow, Largescale razorbelly, raw	Chela, Narkeli	Salmophasia bacaila	R4, IND(329)	83
09_0043	Mola carplet, whole, eyes included, raw	Mola, chokh soho	Amblypharyngodon mola	P6(940), P47, R4, R5, P56, T19, P64, T68, P92, T70, T43, T31, P93, Shak	83
08_0028	Monkey-jack, yellowish-orange flesh, raw	Dewa	Artocarpus lacucha	T28, P23, R5, T16, IND(268)	66
09_0044	Mrigal carp eyes included, raw	Mrigal, chokh soho	Cirrhinus cirrhosus	P93, P6 (941), T38, P64, IND (359), ADB (0901474, 0901483), T102	83
09_0045	Mullet, Goldspot, raw	Parshe	Liza parsia	R4, P6 (944), IND (367)	83
08_0029	Muskmelon, Bangee, light orange flesh, ripe, raw	Bangee, paka	Cucumis melo	T16, P6 (832), P50, IND(280), DK7(0185), US25(9184)	66
09_0046	Mussel/Clam, mixed species, raw	Jhinuk	Pisidium clarkeanum and Lamellidens marginalis	P91, US25 (15157), UK6(16-255)	83
13_0008	Mustard oil	Sorishar tel	Brassica juncea	T70, US25(04583)	110

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06_0012	Mustard seeds, dried	Sarisha	Brassica spp.	P6(608), P11 ,R6, US25(02024), IND(206)	49
07_0016	Nutmeg, dried	Jayfol	Myristica fragrans	P6(712) US25(02002), IND (229)	58
03_0040	Okra/Lady's finger, boiled* (without salt)	Dheros siddha, lobon chara	Abelmoschus esculentus	Recipe calculation	24
03_0023	Okra/Lady's finger, raw	Dheros	Abelmoschus esculentus	R6, P47, T70, P52, P6(528), P8, P58, P72, P94, P18, R5, P41, T51,US25(11278),UK6(1 3-300)	24
03_0046	Lady's finger- tomato bhuna*	Dheros-tomato bhuna	Abelmoschus esculentus	Recipe calculation	24
03_0024	Onion, raw	Piaj	Allium cepa	KF, US25(11282), IND(122)	24
08_0030	Orange juice, raw (unsweetened)	Komolar ross	Citrus reticulata	P6(836), UK6(14-301), US25(09206)	66
08_0031	Orange, raw	Komola, bivinno projati	Citrus aurantium, Citrus reticulata	P50, T70, P6 (837), P8, T70, IND (283), DK7 (0005), UK6 (14-298), US25 (09200)	69
08_0032	Orange, Sweet, ripe, raw	Malta, paka	Citrus sinensis	P6(835), US25(092000), DK7(0005)	69
13_0009	Palm oil	Palm tel		UK6(17-039), US25(04055),DK7(1098)	110
08_0033	Palmyra palm, cotyledon, raw	Kochi tal er shas	Borassus flabellifer	P6 (838), T28, IND (286)	69
08_0034	Palmyra palm, pulp, orange flesh, ripe, raw	Taal, paka	Borassus flabellifer	T34,T45, T70, P6(839), R5, P50, WEA(05_023)	69
09_0047	Pangas, without bones, raw	Pangas, kata chara	Pangasius pangasius	KF, UK6(16-200), IND (366), R5	83
08_0035	Papaya, ripe, raw	Pepe, paka	Carica papaya	P50,T70, P6 (840), P8, R5, T16, R6, DK7 (0464), US25(09226), IND(287)	69
03_0041	Papaya, unripe, boiled* (without salt)	Kancha pepe siddha, lobon chara	Carica papaya	Recipe calculation	27
03_0025	Papaya, unripe, raw	Kancha pepe	Carica papaya	P18, R5, P41, P52, P6(532), P8, T16, P58, P94, TH(05056), UK6(13-311), VIN(115)	27
12_0013	Payesh*	Payesh		Recipe calculation	103
02_0016	Pea, boiled* (without salt)	Motor siddha, lobon chara	Pisum sativum	Recipe calculation	15

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02_0009	Pea, dried, raw	Motor	Pisum sativum	T25, T17, P49, P74, IND(41), DK7(0345), UK6(13-130)	15
13_0010	Peanut oil	China badam er tel	Arachis hypogaea	P13, DK7(0859), UK6(17-040)	110
01_0008	Pear millet, whole- grain, raw	Bajra, gota-dana	Pennisetum typhoideum	P6(105), IND(1), US25(20031)	3
03_0026	Peas, raw	Motorshuti	Pisum sativum	P52, P6(533), VIN(55), US25(11304)	27
07_0017	Pepper, black	Golmorich	Piper nigrum	P6(714), US25(2030), UK6(13846), DK7(0405)	58
09_0048	Perch, Mud, raw	Meni	Nandus nandus	P64, T70, R4, P56	83
08_0036	Persimmon, ripe, raw	Gab, Bilati, paka	Diospyros spp.	P50, IND(292), US25(09263), EAS(968), TH(THE 134), DK7(0634)	69
10_0014	Pigeon meat, raw	Kobutorer mangsaw	Columba livia intermedia	P6(1009), IND(411), US25(05162)	93
08_0037	Pineapple, Joldugee, ripe, raw	Anaros, Joldugee, paka	Ananas comosus	P6(843), P8, R5, U1, IND(294), DK7(0003), UK6(14- 208), US25(09429, 09430)	69
08_0038	Pineapple, ripe, raw	Anaros, paka	Ananas comosus	P50, T65, T70, P23, P6(844), T28, P8, U1, T32, IND(294), DK7(0003), UK6 (14-208), US25 (09429), US25(09430)	69
06_0013	Pistachio nuts, dried	Pesta	Pistacia vera	P6(611), US25(12151), DK7(0655), IND(208)	49
01_0035	Plain Khichuri*	Khichuri		Recipe calculation	3
03_0042	Plantain, boiled* (without salt)	Kancha kola siddha, lobon chara	Musa paradisiaca	Recipe calculation	27
03_0027	Plantain, raw	Kancha kola	Musa paradisiaca	P6(534), P8, P27, P41, P58,P90, P16, US25(09277), UK6(13-323)	27
01_0036	Plain pulao*	Plain pulao		Recipe calculation	3
08_0039	Pomegranate, ripe, with seed, raw	Bedana, paka, bichi soho	Punica granatum	P6(846), P8, IND(296), DK7(0633), UK6(14- 226), US25(09286)	69

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08_0040	Pomelo, raw	Zambura	Citrus maxima	P50, T62, T65, T70, P6(847), P8, BID(0600186), UK6 (14- 228), US25 (9295)	69
09_0049	Pomfret, Black, raw	Rupchanda, kalo, bivinno projati	Parastromateus niger and Formio niger	P6(946), T23, TH (THG44), IND (369)	83
09_0050	Pomfret, Chinese Silver, raw	Rupchanda, Chinese Sada	Pampus chinensis	P6(947), P47, T18, IND (370)	83
09_0051	Pomfret, Silver, dried	Rupchanda, Sada, shutki	Pampus argenteus	P62	83
09_0052	Pomfret, Silver, without bones, raw	Rupchanda, Sada	Pampus argenteus	P62, TH (THG42)	83
01_0009	Popcorn, maize (salt added)	Popcorn, Bhutta	Zea mays	P1, P78, T54, UK6(17- 131), US25(19034)	3
07_0018	Poppy seeds	Posto dana	Papaver somniferum	P6(1422), US25(02033), UK6(13-849), DK7(1168)	58
10_0015	Pork, meat, <5 % fat, raw	Shukorer mangsaw	Sus scrofa domesticus	IND(412), DK7(0285)	93
05_0021	Potato Mash*	Alu siddha, lobon soho		Recipe calculation	43
05_0012	Potato, Diamond, boiled* (without salt)	Gol alu siddha, lobon chara	Solanum tuberosum	Recipe calculation	43
05_0005	Potato, Diamond, raw	Gol alu, Diamond jat, khosa chara	Solanum tuberosum	KF, IND (125), UK6(13- 001),US25(11354)	43
09_0053	Prawn, Birma river prawn, raw	Chingri, Birma river prawn	Macrobrachium birmanicum	T7, T102	83
09_0054	Prawn, Giant river prawn, raw	Chingri, Golda	Macrobrachium rosenbergii	R4, T7, P92, T102	83
09_0055	Prawn, Giant tiger prawn, raw	Chingri, Bagda	Penaeus monodon	T31, R4, TH (THG6), ADB (0901931)	83
09_0056	Prawn, Hairy river prawn, raw	Chingri	Macrobrachium rude	T70, T7, T102	83
09_0057	Prawn, Indian white prawn, raw	Chingri	Fenneropenaeus indicus	P46, P47, R4, T43, ADB (0901931, 0901932)	83
09_0058	Prawn, Monsoon river prawn, raw	Chingri, Nodir	Macrobrachium malcolmsonii malcolmsonii	T7, T102	86
04_0022	Pumpkin leaves, raw	Misti kumra shak	Cucurbita maxima	P6(332), P8, P83, T30, US25(11418), VIN(148), WEA(04_053)	36

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06_0014	Pumpkin seeds, dried	Mistikumrar bichi	Cucurbita maxima	P6(1423),US25(1201 4),UK6(14- 842),IND(551)	49
03_0043	Pumpkin, boiled* (without salt)	Mistikumra siddha, lobon chara	Cucurbita maxima	Recipe calculation	27
03_0028	Pumpkin, raw	Mistikumra	Cucurbita maxima	P6(523), P8, P52, P27, P58, P94, US25(11422),TH(TH D108) VIN(85), P100	27
04_0023	Radish leaves, raw	Mula shak	Raphanus sativus	P6(334), P8, P48, P58, P52, P83, R5, T30, UK6(13-332), P100, T100, average leafy vegetables	36
03_0044	Radish, boiled* (without salt)	Mula siddha, lobon chara	Raphanus sativus	Recipe calculation	27
03_0029	Radish, raw	Mula	Raphanus sativus	P6(408), P18, P8, R6, P90, T70, P52, P41, P60,US25(11429),U K6(13-330), VIN(103)	27
02_0010	Red gram, split, dried, raw	Arhar dal	Cajanus cajan	T25, P49, T17, P6(212), P3, P71, UK6 (13-102), IND(44), US25(16101),	15
01_0010	Rice flaked	Chira	Oryza sativa	P6(112), P8, T17, IND(14), TH(THA20), UK6(11-044)	3
01_0011	Rice flakes, white grain, water-soaked	Chira, veja	Oryza sativa	T17	3
01_0013	Rice, BR-11, parboiled, milled, raw	Chal, BR-11, siddha, kole chata	Oryza sativa	R1, 01_0012	6
01_0014	Rice, BR-16, parboiled, milled, raw	Chal, BR-16, siddha, kole chata	Oryza sativa	R1, 01_0012	6
01_0015	Rice, BR-26, parboiled, milled, raw	Chal, BR-26, siddha, kole chata	Oryza sativa	R1, 01_0012	6
01_0037	Rice, BR-28, boiled* (without salt)	Bhat, BR-28, bosa bhat	Oryza sativa	Recipe calculation	6
01_0012	Rice, BR-28, parboiled, milled, raw	Chal, BR-28, majhari dana, siddah, kole chata	Oryza sativa	KF, IND(10), UK6(11-048), US25(20450), R5	3

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
01_0016	Rice, BR-3, parboiled, milled, raw	Chal, BR-3, siddha, kole chata	Oryza sativa	R1, 01_0012	6
01_0019	Rice, bran, raw	Chaler kura	Oryza sativa	P94, P25, DK7(1023), US25(20060)	6
01_0038	Rice, brown, home-pounded, boiled* (without salt)	Deki chata siddho lal chal er bhat	Oryza sativa	Recipe calculation	6
01_0020	Rice, brown, parboiled, home- pounded, raw	Chal, siddha, deki chata	Oryza sativa	P6(108), P28, DK7(0221), IND (9), TH(THA13, 9), UK6(11- 442), US25(200400), VIN (5-1005)	6
01_0039	Rice, brown, parboiled, milled, boiled*(without salt)	Kole chata siddha lal chal er bhat	Oryza sativa	Recipe calculation	6
01_0021	Rice, brown, parboiled, milled, raw	Chal, lal, siddha, kole chata	Oryza sativa	P28, P1, T60, DK7(0221), IND(9), TH(THA9,13), UK6(11- 442), US25(20040), VIN(5-1005)	6
01_0017	Rice, BRRI Dhan-30, parboiled, milled, raw	Chal, BRRI Dhan- 30, siddha, kole chata	Oryza sativa	R1, 01_0012	6
01_0018	Rice, BRRI Dhan-40, parboiled, milled, raw	Chal, BRRI Dhan- 40, siddha, kole chata	Oryza sativa	R1, 01_0012	6
01_0022	Rice, popped	Khoi	Oryza sativa	P6, IND(15), UK6(11- 497), US25(08066)	6
01_0023	Rice, puffed, salted	Muri	Oryza sativa	P6(113), P8, T17, US25(08066)	6
01_0040	Rice, white, sunned, aromatic, boiled* (without salt)	Bhat, Sugondhi, bosa bhat	Oryza sativa	Recipe calculation	6
01_0024	Rice, white, sunned, aromatic, raw	Chal, atap, sugondhi, chikon dana, deki chata	Oryza sativa	R1, P6(110), P6(111) IND(10), TH(THA12), US25(20444), VIN(4- 1004)	6
01_0041	Rice, white, sunned, polished, milled, boiled* (without salt)	Bhat, Atap, bosa bhat	Oryza sativa	Recipe calculation	9

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
01_0025	Rice, white, sunned, polished, milled, raw	Chal, atop, HYV, kole chata, raw	Oryza sativa	P49, R1, R5, T21, IND(10), DK7(0224), TH(THA12), US25(20444),UK6(11 -049), VIN(4-1004)	9
09_0059	Rohu, river, raw	Rui, nodir	Labeo rohita	P6(954), T2, IND(377), KF	86
09_0060	Rohu, without bones, raw	Rui, kata chara	Labeo rohita	KF, UK6(16-132), IND (377), B100	86
01_0042	Ruti*	Ruti		Recipe calculation	9
15_0007	Salt	Lobon		INFS data	119
01_0026	Semolina, wheat, raw	Sooji, gom	Triticum aestivum	P6 (114), T17, DK7(0182), IND(24), UK6(11- 024), US25(20466)	9
13_0011	Sesame oil	Tiler tel	Sesamum indicum	US25(04058)	110
06_0015	Sesame seeds, whole, dried	Til	Sesamum indicum	P6(613), P9, R6, US25(12014), UK6(14-842)	49
09_0061	Shrimp, Speckled, raw	Chingri, Horina	Metapenaeus monoceros	R4, T42	86
09_0062	Silver carp, without bones, raw	Silver carp, kata chara	Hypophthalmichthys molitrix	T38, T68, T19, P64, P92, P93, R5, Shak	86
09_0063	Silver needle fish, eyes included, raw	Kakila, chokh soho	Xenentodon cancila	R4, P56, P64, T70, DK7 (0082), T102	86
04_0034	Slender amaranth leaves, boiled* (without salt)	Notay shak siddha, lobon chara	Amaranthus viridis	Recipe calculation	36
04_0024	Slender amaranth leaves, raw	Notay shak	Amaranthus viridis	P6(303), IND(50), BID(0500029), BID(0500338), UK6(13-149), US25(11003), R5, T26	36
09_0071	Small fish fry*	Kachki mach vaja		Recipe calculation	77
14_0004	Soft drinks, carbonated	Komol paniyo		T70, US25(14147),UK6(17 -175)	116
01_0027	Sorghum, raw	Jowar	Sorghum vularebicolor	P1, P6, IND(4), US25(20067), WEA(01_039)	9
14_0005	Soya milk (not sweetened)	Soybean dudh		T50, DK7(0403), UK6(12-331)	116
13_0012	Soybean oil	Soybean tel	Glycine max	KF	110

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
02_0011	Soybean, dried, raw	Gari kalai/Soyabean	Glycine max	P6 (213), P74,T48, IND(46), US25(16108), UK6(13-115), DK7(0032)	15
07_0019	Spearmint leaves, fresh	Pudina pata	Mentha spicata	P6(331), P52, P83, T30, P90, R5, US25(02065), IND(94)	58
04_0035	Spinach, boiled*(without salt)	Palong shak siddha, lobon chara	Spinacia oleracea	Recipe calculation	36
04_0025	Spinach, raw	Palong shak	Spinacia oleracea	P6(337), P8, P18, P41, P58, P83, R5, R6, T30, T70,US25(11457),DK7(0 278),UK6(13-456).	36
09_0064	Spotted snakehead, raw	Taki, kata chara	Channa punctatus	R4, P56, R5, P64, T19, T68, T70, T47, P93, T102, TH (THG47)	86
09_0065	Stinging catfiah, raw	Shing mach, kata chara	Heteropneustes fossilis	P6(957), R4, T44, P64, P92, T41, T63, IND (385), T102	86
09_0066	Stone roller, raw	Tatkini	Crossocheilus latius	P47, R4, TH (THG116), BID (0900085, 0900160, 0900161, 0900160)	86
09_0067	Striped snake- head, raw	Shol, kata chara	Channa striata	P64, T14, P63, P92, T70, P6, TH (THG47)	86
14_0006	Sugar cane Juice	Akher Ros	Saccharum officinarum	P6(1427), P8, 15_0003, US25(19304)	116
15_0008	Sugar, white	Chini, sada	Saccharum officinarum	P6, DK7(01540, IND(439), UK6(14-806), US25(19335),WEA(13_0 03)	119
06_0001	Sunflower seeds, dried	Surjomukhi bij	Helianthus annuus	P9,P12,US25(12036), DK7(0479), IND(211), UK6(14-845)	49
04_0026	Sweet potato leaves, raw	Misti alu shak	Ipomoea batatas	WF,P6(339),T30, US25(11505), WEA(04_059), VIN(158), PIT(C072)	36
04_0027	Sweet potato leaves, SP4, dark green, mature, raw	Misti alu shak (SP4)	Ipomoea batatas	WF, 04_0026	39
04_0028	Sweet potato leaves, SP7, dark green, mature, raw	Misti alu shak (SP7)	Ipomoea batatas	WF, 04_0026	39
04_0029	Sweet potato leaves, SP8, light green, mature, raw	Misti alu shak (SP8)	Ipomoea batatas	WF, 04_0026	39

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
05_0016	Sweet potato, Komola Sundori, orange flesh, boiled* (without salt)	Misti alu, Komola Sundori, siddha, lobon chara	Ipomaea bata	Recipe calculation	43
05_0006	Sweet potato, Komola Sundori, orange flesh, raw	Misti alu, Komola Sundori	Ipomaea bata	R3, IND (130), US25(11507), UK6(13-463), DK7(0659)	43
05_0013	Sweet potato, pale- yellow flesh, boiled* (without salt)	Misti alu, holdey, siddha, lobon chara	Ipomaea bata	Recipe calculation	43
05_0007	Sweet potato, pale- yellow flesh, raw	Misti alu, holdey	Ipomaea bata	P6, P8, R5, T4, T8, IND (130), US25(11507), UK6(13-463), DK7(0659), WEA(02-013), T100	43
05_0015	Sweet potato, skin purple, flesh pale- yellow, boiled* (without salt)	Misti alu, lal khosa, siddha, lobon chara	Ipomaea bata	Recipe calculation	46
05_0008	Sweet potato, skin purple, flesh pale- yellow, raw	Misti alu, Lal khosa	Ipomaea bata	T8, T36, R2, IND (130), US25(11507), UK6(13-463), DK7(0659)	43
05_0014	Sweet potato, white flesh, boiled* (without salt)	Misti alu, sada, siddha, lobon chara	Ipomaea bata	Recipe calculation	46
05_0009	Sweet potato, white flesh, raw	Misti Alu, Sada	Ipomaea bata	T4, T8, T36, R2, IND (130), US25(11507), UK6(13-463), DK7(0659), WEA(02_022), P100	46
01_0028	Sweetcorn, yellow, on-the cob, raw	Bhutta, kancha	Zea mays	P6(102), DK7(0150), UK6(13-372)	9
08_0041	Tamarind, pulp, ripe, raw	Tetul, paka	Tamarindus indica	P6(850), UK6(13- 856), US25(09322), WEA(05_021), BID(0601348, 0601409, 0601443), DK7(0647), UK6(14- 265)	69

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
14_0007	Tea infusion (with	Dudh cha		Recipe calculation	116
	sugar and milk				
	powder, whole fat)				
14_0008	Tea, infusion (with sugar)	Likar cha		Recipe calculation	116
14_0009	Tea, powder	Cha pata	Camellia sinensis	R6,T27,US25(14366)	116
09_0068	Tilapia, without bones, raw	Telapia, kata chara	Oreochromis mossambicus	KF, UK6(16-154), US 25 (15261), R5	86
03_0030	Tomato, green raw	Tomato, kancha	Lycopersicon esculentum	P6(539), P8, P52, T15, P27, T49, US25(11527)	27
03_0045	Tomato, red, ripe, boiled* (without salt)	Tomato paka siddha, lobon chara	Lycopersicon esculentum	Recipe calculation	27
03_0031	Tomato, red, ripe, raw	Tomato, paka	Lycopersicon esculentum	KF, US25(11529), IND(306)	27
09_0069	Tuna, without bones, raw	Tuna, kata chara	Euthynnus affinis	T67, DK7 (0321), US25 (15123), UK6(16-228)	86
07_0020	Turmeric, dried	Holud	Curcuma longa	P6(715),US25(02043), UK6(13-861), IND(237)	58
03_0032	Turnip, raw	Shalgom	Brassica rapa	P6(412), P8, P41, P94, P52, P47, US25(11564), UK6(13-389)	
01_0043	Vermicelli, boiled* (without salt)	Semai siddha	Triticum aestivum	Recipe calculation	9
01_0029	Vermicelli, wheat, raw	Semai	Triticum aestivum	P6, P8, UK6(11-065), US25(20420)	9
09_0070	Walking catifish, without bones, raw	Magur, kata chara	Clarias batrachus	P6 (938), P64, R4, P92, T70, P8, BID(0900601), TH (THG73), T102, ADB(0901305)	86
06_0016	Walnuts	Akhrot	Juglans regia	P6(614),US25(12155).UK 6(14-879),DK7(0198)	49
04_0030	Water spinach, raw	Kolmee shak	Ipomoea aquatica	P6(324), P8, P52, P48, R5, P83, T65, P90, P94, T30, US25(11503)	39
14_0010	Water, drinking	Khabar pani		ANA	116
04_0031	Watercress, raw	Helencha shak	Enhydra fluctuans	P6(320), P8, P48, T30,UK6(13462),US25(1 1591),DK7(0023)	39
08_0042	Watermelon, ripe, raw	Tarmuz, lal, paka	Citrullus vulgaris	P18, P50, R5, P41, T16, R6, P6(854),T70, IND(281),US25(09326)	69
01_0030	Wheat flour, brown, whole grain, raw	Ata, sada	Triticum aestivum	P6(118), P8, T21, IND(20), UK6(11-433), US25(20080),TH(THA34), VIN(18-1018),	9
01_0032	Wheat flour, white, refined	Maida	Triticum aestivum	P6(119), P8, P49, T21, US25(20481),DK7(0531), IND(22), UK6(11-438)	9

Code	Foodname in English	Foodname in Bengali	Scientific name	BiblioID	Page number
01_0031	Wheat, flour, white	Ata, sada, packet	Triticum aestivum	KF, DK7(0531), IND(20), UK6(11049), US25(20080)	9
01_0033	Wheat, whole, raw	Gom	Triticum aestivum	P1, P10, P26, P51, P53, T1, T53, IND(20), US25(20072), DK7(1270)	9
08_0043	Woodapple, ripe, raw	Bel, paka	Aegle marmelos	P6(853), P18, P8, P50, R5, R6, T70, IND(244)	69
05_0020	Yam, tuber, boiled* (without salt)	Bon alu siddha, lobon chara	Dioscorea spp.	Recipe calculation	46
05_0010	Yam, tuber, raw	Bon Alu, Bivinno projati	Dioscorea spp.	R5, T3, T16, IND(136), UK6(13- 397), US25(11601), DK7(0658), WEA (02_019)	46

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