





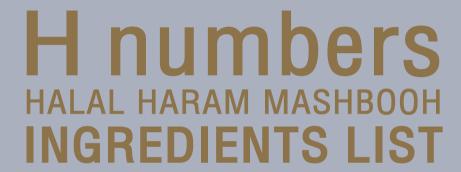




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# PRAISE FOR H NUMBERS

In Thailand's food industry, food additives are used in both production and processing procedures. These additives help creating desired characteristics in food or in some cases help extend the shelf life. It is recorded in the notification of Thailand's Ministry of Public Health (No 367) B.E.2557 (2014) concerning the identification of functional class titles of food additives (7) together with their specific names or with International Numbering System (INS), if there are food additives added in raw material in the amount sufficient to perform technological function in the food. The INS is a European-based naming system for food additives. Some food additives, however, are not allowed to use in the European Union. Thus, some INS will not appear in E numbers database.

In Thailand, using food additives are regulated by Food and Drug Administration of Thailand. This regulation helps reduce consumers' risk of taking hazardous chemicals due to the incorrect or inappropriate use of food additives. However, in producing Halal food there is another thing to consider. And that is the Halal status of raw materials in production and processing procedure.

For that reason, this book H numbers Ingredients List: The Halal Directory is such a huge contribution to Halal food industry. It collects the halal status of food additives used in Thailand, helping industrial sectors choose the correct food additives for their products and, at the same time, serving as consumers' assistant when they need to check the halal status of each additive appeared in food labels.

I must congratulate for the success of this impressive book. And I hope that it will provide plenty benefits for various groups of people, as it is what the team behind this book has wished.

Assoc. Prof. Dr. Winai Dahlan December 2016



The purpose of this Halal ingredients list is to facilitate industrial sectors in selecting Halal ingredients for their production. In addition, consumers may also use it as a reference for cross checking ingredients on their product labels.

There are 3 categories in this H numbers database.

- 1. The ingredients which are Halal by Fatwa
- 2. The ingredients which are Halal by certification
- 3. The ingredients which are Mashbooh

We truly hope that both industrial sectors and consumers will find this Halal Ingredients list (H numbers) is useful and beneficial. This book, we also sincerely apologize for any mistakes which may occurred in this book.

Should you have any suggestions, please feel free to send it to The Halal Science Center Chulalongkorn University

The Halal Science Center Chulalongkorn University

December 2016



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#### HALAL

Halal is an Arabic word which means "permissible or lawful". This word includes any object or action that is permissible to use or engage in, according to Islamic law.

#### **MASHBOOH**

Mashbooh means doubtful. Muslims are required to stay away from doubtful things. Food products and food ingredients which sources are not yet known whether they are from Halal or Haram source fall under this category.

#### **HARAM\***

Haram is the opposite word of Halal. It means unlawful. Muslims are prohibited to consume food products which are made from Haram ingredients.

\*There is no Haram ingredients in this directory. Nowadays, many of the haram ingredients can be substituted with halal ones due to the advancement of food technology.

#### **DHARURAH**

Dharurah means necessity. The term is used when it is essential to do what is not conform with the Shariah (Islamic law).

#### **FATWA**

Fatwa is the term for the legal opinion or learned interpretation that the Sheikhul Islam, a qualified jurist or mufti, can give on issues pertaining to the Islamic law.



For a consumer who wishes to search for an ingredient(s) or a user who knows the E numbers.

• Go to Index. To check the halal status of the ingredient(s), use the H numbers code to search. This code is the same as the E numbers.

For an industrial sector that wishes to identify an ingredient status and its distributor.

- Go to Index. To check the halal status of the ingredient(s), use the H numbers code to search. This code is the same as the E numbers.
- Refer to the page number indicated on the list to check its certification status and distributor profile. A certified Halal ingredient or recommended ingredient is Category 1 and 2
- If an ingredient is Mashbooh (Category 3), user may select another ingredient under the same category which is Halal certified.



Raw materials/ingredients derive from plants, natural minerals, chemical synthesis or biochemical fermentation process. These are affirmed by Sheikhul Islam's Majlis Ulama of Thailand to be able to use in Halal food production.



## Halal Ingredients by Fatwa

According to the verdict of Sheikhul Islam's Majlis Ulama of Thailand No.1/2559 on Wednesday 23 November 2559 during 9.00-15.00 at conference hall of Sheikhul Islam Office, 3rd floor, which was attended by Sheikhul Islam and his trusted men (see index B), total 21 persons, the list of 151 ingredients can be categorized into 4 groups as followed:

#### **Group 1**

Group of 113 substances that does not extracted by alcohol or najis. This is permissible (mubah). They are E-172, E-174, E-175, E-201, E-212, E-213, E-214, E-215, E-216, E-217, E-218, E-219, E-220, E-221, E-222, E-223, E-224, E-225, E-226, E-227, E-228, E-230, E-231, E-232, E-233, E-239, E-242, E-249, E-251, E-260, E-270, E-284, E-285, E-290, E-310, E-312, E-330,E-335, E-336, E-337, E-338, E-353, E-354, E-356, E-357, E-375, E-380, E-385, E-400, E-403, E-404, E-405, E-406, E-413, E-414, E-416, E-417, E-418, E-444, E-445, E-450, E-451, E-452, E-460, E-461, E-463, E-464, E-465, E-466, E-503, E-507, E-510, E-512, E-513, E-515, E-517,E-520, E-521, E-522, E-523, E-526, E-528, E-529, E-530, E-536, E-538, E-540, E-541, E-544, E-552, E-553a, E-553b, E-554, E-555, E-556, E-558, E-559, E-574, E-585, E-626, E-628,E-629, E-900, E-901, E-902, E-903, E-912, E-925, E-926, E-927a, E-927b, E-938, E-939, E-941, E-942, E-948, E-957, E-959, E-999, E-1201, E-1202, E-1404, E-1410, E-1412, E-1413, E-1414, E-1420, E-1422, E-1440, E-1442, E-1450 and E-1505.

#### **Group 2**

Group of substances that are extracted by ethyl alcohol. According to Shafiee school of thought, although this kind of alcohol is not used in making intoxicant, it can be intoxicant itself. So, it is viewed as najis and it is not permissible to consume at all. In case the alcohol is used in production process, it needs to be evaporated until there is no alcohol left or only very small amount left that will not cause intoxication and toxic.

It should be noted that the alcohol is used because using other substances might cause harm and there is no other substance to replace it. In this case, it is permissible to use alcohol due to necessity (dharurah). However, this lies under the condition that if there is other solution, besides alcohol, with better quality and less toxic in the future, that solution must be used instead. There are 13 substances in this group: E-100, E-131, E-150a, E-150b, E-150c, E-150d, E-160d, E-161a, E-161e, E-16f, E-16f, E-162 and E-163

#### Group 3

Substances which are forbidden to use in Thailand according to the Notification of Ministry of Public Health, or are not permissible to use in food industry of some countries, or are forbidden to use as remedy. The concern for safety in using these substances depends from case to case. Four substances in this group are, thus, shifted into mashbooh group. They are E-527 E-924 E-952 E-954.

#### Group 4

Substance which is removed from the list since it may be found in the component of animals' tissue. Thus, they are removed into doubtful group (mashbooh). The only substance in the list is E-1105



## Halal Ingredients by Fatwa

Food color: Used to make food more colorful and attractive or to replace color lost in processing

H-number	INS-number	Additive
Vallow and Ora	mas Coloro	
Yellow and Ora	inge Colors	
H-100 (E-100)	INS-100	Curcumin, Turmeric
Blue Colors		
	100 404	B. H. W
H-131 (E-131)	INS-131	Paten blue V
Brown and Bla	ck Colors	
H-150a (E-150a	a) INS-150a	Alkaline caramel
H-150b (E-150l	o) INS-150b	Caustic sulfite caramel
H-150c (E-150c	c) INS-150c	Ammonia caramel
H-150d (E-150d	d) INS-150d	Plain caramel (made from sugar in the kitchen)
Derivatives of	Carotene	
H-160d (E-160d	d) INS-160d	Lycopene
Other Plant Co	lors	
H-161a (E-161a	a) INS-161a	Flavoxanthin
H-161d (E-161d	/	Rubixanthin
H-161e (E-161e	,	Violaxanthin
H-161f (E-161f	) INS-161f	Rhodoxanthin
H-162 (E-162)	INS-162	Beetroot red or betanin
H-163 (E-163)	INS-163	AnthocyanH (the pigments of many plants)
Inorganic Com	pounds Used	as Colors
H-172 (E-172)	INS-172	Iron oxides and hydroxides
H-174 (E-174)	INS-174	Silver
H-175 (E-175)	INS-175	Gold

Perservatives: Protect foods against microbes that cause spoilage and food poisoning; compounds increase the safe storage life of foods

poisoning, com	pourius increa	ise the sale storage the or loods
H-number	INS-number	Additive
Sorbic Acid ar	nd Its Salts	
H-201 (E-201)	INS-201	Sodium sorbate
Benzoic Acid a	and Its Salts	
H-212 (E-212) H-213 (E-213) H-214 (E-214) H-215 (E-215) H-216 (E-216) H-217 (E-217) H-218 (E-218) H-219 (E-219)	INS-213 INS-214 INS-215 INS-216 INS-217 INS-218	Potassium benzoate Calcium benzoate Ethyl p-hydroxybenzoate Ethyl p-hydroxybenzoate, sodium salt Propyl p-hydroxybenzoate Propyl p-hydroxybenzoate, sodium salt Methyl p-hydroxybenzoate Methyl p-hydroxybenzoate, sodium salt
Sulfur Dioxide	and Its Salts	
H-220 (E-220)	INS-220	Sulfur dioxide (also used to prevent browning of raw peeles potatoes)
H-221 (E-221)	INS-221	Sodium hydrogen sulfite
H-222 (E-222)		Sodium sulfite
H-223 (E-223)		Sodium hydrogen sulfite
H-224 (E-224)		Sodium metabisulfite
H-225 (E-225)		Potassium metabisulfite
H-226 (E-226)		Calcium sulfite
H-227 (E-227)	INS-227	Calcium hydrogen sulfite
H-228 (E-228)	INS-228	Potassium hydrogen sulfite

H-number	INS-number	Additive
Biphenyl and I	ts Derivatives	
H-230 (E-230)	INS-230	Biphenyl or diphenyl (for surface treatment of citrus fruits)
H-231 (E-231)	INS-231	Sodium orthophenylphenol
H-232 (E-232)	INS-232	(sodium biphenyl-2-yl oxide) Orthophenylphenol (2-Hydroxybiphenyl) (for surface treatment of citrus fruits)
Other Preserva	atives	
H-233 (E-233)	INS-233	2-(Thiazol-4-yl) benzimidazole (thiobendazole) (for surface treatment of citrus fruits and bananas)
H-239 (E-239)	INS-239 INS-242	Hexamethylene tetramine (hexamine)
H-242 (E-242)	1110-242	Dimethyl dicarbonate
Pickling Salts		
H-249 (E-249) H-251 (E-251)	INS-249 INS-251	Potassium nitrite Sodium nitrate

## Acids and their salts: Used as flavorings and as buffers to control the acidity of foods, in addition to their antimicrobial properties

H-260 (E-260)	INS-260	Acetic acid
H-270 (E-270)	INS-270	Lactic acid
H-284 (E-284)	INS-284	Boric acid (as preservative in caviar)
H-285 (E-285)	INS-285	Sodium tetraborate (borax) (as preservative in caviar)
H-290 (E-290)	INS-290	Carbon dioxide

Anitioxidants: Used to prevent fatty foods going rancid, and to protect fat-soluble vitamin (a,d,e, and k) againt the damaging effects of oxidation

H-number	INS-number		Additive
Other Antioxic	lants		
H-310 (E-310) H-312 (E-312)		Propyl gallate Dodecyl gallate	
Citric acid and	Its Salts and	Esters	
H-330 (E-330)	INS-330	Citric acid	

Acids and their salts: Used as flavorings and as buffers to control the acidity of foods, in addition to other special uses

#### **Tartaric Acid and Its Salts**

H-335 (E-335)	INS-335	(i) Monosodium tartrate, (ii) disodium tartrate
H-336 (E-336)	INS-336	(i) Monopotassium tartrate (cream of tartar),
		(ii) dipotassium tartrate
H-337 (E-337)	INS-337	Sodium potassium tartrate

#### **Phosphoric Acid and Its Salts**

H-338 (E-338) H-450 (E-450)	INS-338 INS-450	Phosphoric acid Diphosphate (i) disodium, Diphosphate (ii) trisodium, Diphosphate (iii) tetrasodium, Diphosphate (iv) dipotassium, Diphosphate (v) tetrapotassium, Diphosphate (vi) dicalcium, Diphosphate (vii) calcium, Diphosphate
H-451 (E-451) H-452 (E-452)	INS-451 INS-452	Potassium and sodium tri-phosphates Polyphosphates (i) sodium, Polyphosphate (ii) potassium, Polyphosphate (iii) sodium calcium, Polyphosphate (iv) calcium, Polyphosphate

H-number	INS-number	Additive
Other Acids ar	nd Their Salts	
H-353 (E-353) H-354 (E-354) H-356 (E-356) H-357 (E-357) H-375 (E-375) H-380 (E-380) H-385 (E-385)	INS-354 INS-356 INS-357 INS-375 INS-380	Calcium tartrate Metatartaric acid Sodium adipate Potassium adipate Nicotinic acid Triammonium citrate Calcium disodium EDTA

Emulsifiers and stabilizers: Used to enable oils and fats to mix with water, to give a smooth and creamy texture to food, and slow the staling of baked goods; also used to make jellies

H-number	INS-number	Additive
Alginates		
H-400 (E-400) H-403 (E-403) H-404 (E-404) H-405 (E-405)	INS-400 INS-403 INS-404 INS-405	Alginic acid (derived form seaweed) Ammonium alginate Calcium alginate Propane-1,2-diol alginate
Other Plant Gu	ıms	
H-406 (E-406) H-413 (E-413) H-414 (E-414) H-416 (E-416) H-417 (E-417) H-418 (E-418)	INS-406 INS-413 INS-414 INS-416 INS-417 INS-418	Agar (derived from seaweed) Tragacanth Gum acacia (gum Arabic) Karaya gum Tara gums Gellan gums
Other Compou	ınds	
H-444 (E-444) H-445 (E-445)	INS-444 INS-445	Sucrose acetate isobutyrate Glycerol esters of wood rosH

H-number	INS-number	Additive
Cellulose and	Derivatives	
H-460 (E-460) H-461 (E-461) H-463 (E-463) H-464 (E-464) H-465 (E-465) H-466 (E-466)	INS-460 INS-461 INS-463 INS-464 INS-465 INS-466	(i) Microcrystalline cellulose, (ii) powdered cellulose Methyl cellulose Hydroxypropyl cellulose Hydroxypropylmethyl cellulose Ethylmethyl cellulose Carboxymethylcellulose

Acids and salts used for special purposes: Buffers, emulsifying salts, sequestrants, stabilizers, raising agents and anticaking agents

sequesitatits, si	avilizers, rais	ing agents and anticaking agents
H-number	INS-number	Additive
Carbonates		
H-503 (E-503)	INS-503	(i) ammonium carbonate, (ii) ammonium hydrogen carbonate
Hydrochloric A	cid and Its sa	alts
H-507 (E-507) H-510 (E-510) H-512 (E-512)	INS-510	Hydrochloric acid (ordinary salt is sodium chloride) Ammonium chloride Stannous chloride
Sulfuric Acid a	nd Its Salts	
H-513 (E-513) H-515 (E-515) H-517 (E-517) H-520 (E-520) H-521 (E-521) H-522 (E-522) H-523 (E-523)	INS-513 INS-515 INS-517 INS-520 INS-521 INS-522 INS-523	Sulfuric acid (i) Potassium sulfate, (ii) potassium hydrogen sulfate Ammonium sulfate Aluminium sulfate Aluminium sodium sulfate Aluminium potassium sulfate Aluminium ammonium sulfate

H-number IN	IS-number	Additive
Alkali: Used as B	ases to Neu	itralize Acids in Foods
H-526 (E-526) H-528 (E-528) H-529 (E-529) H-530 (E-530)	INS-526 INS-528 INS-529 INS-530	Calcium hydroxide Magnesium hydroxide Calcium oxide Magnesium oxide
Other salts		
H-535 (E-535) H-536 (E-536) H-538 (E-538) H-540 (E-540) H-541 (E-541)	INS-535 INS-536 INS-538 INS-540 INS-541	Sodium ferrocyanide* Potassium ferrocyanide* Calcium ferrocyanide* Dicalcium diphosphate Sodium aluminium phosphate, acidic
Compounds Use	d as Antical	king Agents, and for Other Uses
H-544 (E-544)	INS-544	Calcium polyphosphates
Silicon Salts		
H-552 (E-552) H-553a (E-553a) H-553b (E-553b) H-554 (E-554) H-555 (E-555) H-556 (E-556)	INS-552 INS-553a INS-553b INS-554 INS-555 INS-556	Calcium silicate (i) Magnesium silicate, (ii) magnesium trisilicate Talc Sodium aluminium silicate Potassium aluminium silicate Calcium aluminium silicate
Other Compound	ls	
H-558 (E-558) H-559 (E-559) H-574 (E-574)	INS-558 INS-559 INS-574	Bentonite Kaolin (aluminium silicate) Gluconic acid

Ferrous lactate

H-585 (E-585)

INS-585

H-number	INS-number	Additive	
Compounds U	eed as Flavor	Enhancere	
Compounds o	Seu as i lavui	Lillancers	
H-626 (E-626) H-628 (E-628) H-629 (E-629) H-900 (E-900)	INS-626 INS-628 INS-629 INS-900	Guanylic acid Dipotassium guanylate Calcium guanylate Dimethylpolysiloxane	
Compound Used as Glazing Agents			

Beeswax

Candelilla wax

#### H-903 (E-903) INS-914 Carnauba wax H-912 (E-912) INS-912 Montan acid esters

### Compoounds Used to Treat Flour

H-925 (E-925)	INS-925	Chlorine
H-926 (E-926)	INS-926	Chlorine dioxide

INS-901

INS-902

#### **Propellant Gases**

H-901 (E-901)

H-902 (E-902)

H-938 (E-938)	INS-938	Argon
H-939 (E-939)	INS-939	Helium
H-941 (E-941)	INS-941	Nitrogen
H-942 (E-942)	INS-942	Nitrous oxide
H-948 (E-948)	INS-948	Oxygen

H-number INS-number

Additive

#### **Sweeteners and Sugar Alcohols**

H-927a (E-927a)	INS-927a	Azodicarbonamide
H-927b (E-927b)	INS-927b	Carbamide
H-957 (E-957)	INS-957	Thaumatin
H-959 (E-959)	INS-959	Neohesperidin didihydrochalcone

#### **Miscellaneous Compounds**

H-999 (E-999)	INS-999	Quillaia extract
H-1201 (E-1201)	INS-1201	Polyvinyl pyrrolidone
H-1202 (E-1202)	INS-1202	Polyvinyl polypyrrolidone
H-1505 (E-1505)	INS-1505	Triethyl citrate

#### **Modified Starches**

II 1404 /F 1404\	INC 1404	Ovidized storeh
H-1404 (E-1404)	INS-1404	Oxidized starch
H-1410 (E-1410)	INS-1410	Monostarch phosphate
H-1412 (E-1412)	INS-1412	Distarch phosphate
H-1413 (E-1413)	INS-1413	Phosphated distarch phosphate
H-1414 (E-1414)	INS-1414	Acetylated distarch phosphate
H-1420 (E-1420)	INS-1420	Acetlated starch
H-1422 (E-1422)	INS-1422	Acetylated starch adipate
H-1440 (E-1440)	INS-1440	Hydroxypropyl starch
H-1442 (E-1442)	INS-1442	Starch sodium octanoyl succinate
H-1450 (E-1450)	INS-1450	Hydroxypropyl distarch phosphate



## Category: 2

## **Halal Ingredients** by Certification

Raw materials/ingredients from meats, extracted/ fermented materials that may contaminate with things that are impermissible to consume (najis) in production process. In Halal food production, it is important that each company be examined separately since one company usually adopts different process and steps in obtaining these ingredients. Thus, Halal food manufacturers should take them from companies that are certified by religious organizations.





## **Halal Ingredients by Certification**

Food color: Used to make food more colorful and attractive or to replace color lost in processing

**Yellow and Orange Colors** 

♣ H-101 (E-101) INS-101 Riboflavin, riboflavin phosphate(Vitamin B2)

The Central Islamic Committee of Thailand, Thailand

Company : Rovithai Limited

: 17/1 Floor, Maleenont Tower, 3199 Rama IV Rd., Klongton, Klongtoey, Bangkok 10110 Thailand

Company : Coknisthai Company Limited

: Emporium Tower, 622 Building, Room 23 1-6 Sukhumvit 24, Klongtoey, Bangkok 10110

Halal control inspection-and certification body for Halal-Food (Germany), Germany

Company : Sensient colors Europe GmbH in 21502 Geesthacht

(Germany)

: Geesthachter Str. 103 21502 Geesthacht Germany

The Indonesian Council of Ulama, Indonesia

Company : DSM Nutritional Products Ltd.

: 1 boulevard d'Alsace Village-Neuf, France

Company : PT. Dian Cipta Perkasa

: 2 Jiangdi Rd., Wuxue City Hubei Province China

Shandong Islamic Association, China

Company : H&A (Canada) Industrial inc

: 1161 Tapscott Rd., U 2&3, Toronto, Ontario, Canada

♣ H-102 (E-102) INS-102 Tartrazine (=FD&C Yellow No.6)

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Vidhi Dyestuffs Mfg. Ltd.

: E/27, Commerce Centre, 78, Tardeo Rd., Mumbai,

Maharashtra 400034 India

H-104 (E-104) INS-104 Quinoline yellow

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

♣ H-107 (E-107) INS-107 Yellow 2G

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

**№** H-110 (E-110) Sunset yellow FCF or orange yellow S INS-110 ( =FD&C Yellow No.6)

Jabatan Kemajuan Islam Malaysia (JAKIM) Department of Islamic Development Malaysia, Malaysia

: Flavor Inn Corporation SDN BHD Company

: 7 Jalal Anggerik Mokara 31/54

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Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

: Arcadia Foods Co., Ltd. Company

: Arcadia Foods Co., Ltd.

#### **Red Colors**

**⚠** H-122 (E-122) INS-122 Carmoisine or azorubine Halal committee-Jamiat Ulama-E-Maharashtra, India

> Company : M/s. Roha Dyechem Pvt. Ltd.

> > : JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

**⚠** H-123 (E-123) INS-123 Amaranth

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

**⚠** H-124 (E-124) INS-124 Ponceau 4R or cochineal red A

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

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: 59/158 Soi Nimitmhai 28, Samwa-east

Klongsamwa, Bangkok 10511

♣ H-127 (E-127) INS-127 Erythrosine BS (=FD&C Red No.3)

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Vidhi Dyestuffs Mfg. Ltd.

: E/27, Commerce Centre, 78, Tardeo Rd., Mumbai,

Maharashtra 400034 India

♣ H-128 (E-128) INS-128 Red 2G

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

♣ H-129 (E-129) INS-129 Allura red (=FD&C Red No.40)

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

#### **Blue Colors**

♣ H-132 (E-132) INS-132 Indigo carmine or indigotine (= FD&C Blue No.2)

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

♣ H-133 (E-133) INS-133 Brilliant blue FCF (=FD&C Blue No.1)

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

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#### **Green Colors**

H-140 (E-140) INS-140 (I) Chlorophylls, the natural green color of leaves, (ii) Chlorphyllins

Halal control inspection-and certification body for Halal-Food, Germany

Company : Sensient colors Europe GmbH in 21502 Geesthacht

(Germany)

: Geesthachter Str. 103 21502 Geesthacht Germany

♣ H-141 (E-141) INS-141 Copper complexes of (i) chlorophylls,

(ii) chlorophyllings

Halal control inspection-and certification body for Halal-Food, Germany

Company : Sensient colors Europe GmbH in 21502 Geesthacht

(Germany)

: Geesthachter Str. 103 21502 Geesthacht Germany

♣ H-142 (E-142) INS-142 Green S or acid brilliant green BS

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

#### **Brown and Black Colors**

♣ H-151 (E-151) INS-151 Black PN or brilliant black BN

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

♠ H-153 (E-153) INS-153 Carbon black or vegetable carbon (charcoal)

The Central Islamic Committee of Thailand, Thailand

Company : Bronson and Jacobs International Co., Ltd.

: 4/11 Moo 8, Soi Watsrivareenoi Bangna-Trad Rd., BangchalongBangplee, Samutprakan 10540 Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi, Huaykwang, Bangkok 10310 Thailand

Halal control inspection-and certification body for Halal-Food, Germany

Company : Sensient colors Europe GmbH in 21502 Geesthacht

(Germany)

: Geesthachter Str. 103 21502 Geesthacht Germany

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

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♣ H-154 (E-154) INS-154 Brown FK

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

**№** H-155 (E-155) INS-155 Brown HT (Chocolate brown HT)

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

#### **Derivatives of Carotene**

 $\blacktriangle$  H-160a (E-160a) INS-160a (i) Mixed carotenes, (ii)  $\beta$ -carotene

The Central Islamic Committee of Thailand, Thailand

Company : Rovithai Limited

: 17/1 Floor, Maleenont Tower, 3199 Rama IV Rd., Klongton, Klongtoey, Bangkok 10110 Thailand

#### Korea Muslim Federation, Korea

Company : MSC Co., Ltd.

: 45-73, Sojuhoeya-ro, Yangsan-si, Gyeongsangnam-do, Korea

#### The Islamic Food and Nutrition Council of America, America

Company : Xinchang Nhu Vitamins Co., Ltd.

: HigINS-Tech Industry Zone (Meizhu) Xinchang Country Zhejing China

#### Control Office of Halal Slaughtering & Halal Quality Control, Netherland

Company : BASF SE

: Carl-Bosch Strabe 38 67063 Ludwigshafen Germany

#### The Indonesian Council of Ulama, Indonesia

Company : PT. Dian Cipta Perkasa

: 1 Jiangdi Rd., Wuxue City Hubei Province China

#### Halal control inspection-and certification body for Halal-Food, Germany

Company : Sensient colors Europe GmbH in 21502 Geesthacht

(Germany)

: Geesthachter Str. 103 21502 Geesthacht Germany

H-160b (E-160b) INS-160b Annatto, bixin, norbixin Halal Committee, Jamiat Ulsms-E-Maharashtra, India

Company : M/s. Plant Liquids (P) Ltd.

: Kadayiruppu, kolenchory-682311, Cochin, Kerala, India

Halal control inspection-and certification body for Halal-Food, Germany

Company : Sensient colors Europe GmbH in 21502 Geesthacht

(Germany)

: Geesthachter Str. 103 21502 Geesthacht Germany

H-160c (E-160c) INS-160c Paprika extract, capsanthin or capsorubin
The Central Islamic Committee of Thailand, Thailand

Company : Chemico Inter Corporation Co., Ltd.

: 1 Soi Ladprao 101 Soi 42 Yak 1, Ladprao Rd., Klongchan,

Bangkapi, Bangkok 10240 Thailand

Company : Euro-Thai Aromatics Co., Ltd.

: 19/9 Moo 17, Soi Prapawan home, Suwinthawong Rd.,

Sansaeb, Minburi, Bangkok 10510 Thailand

Company : Wang Chemicals Co., Ltd.

: 7/132 Moo 14, Bangna-Trad Km.6, T. Bangkaew, A.

Bangplee, Samutprakarn, 10540 Thailand

Company : Abbra Corporation Limited

: 12 Soi Prachanukul 3 Soi 2, Ratchadapisak Rd.,

Bangsue, Bangkok 10800 Thailand

Company : Brenntag Ingredients (Thailand) Public Company

Limited

: 1168/98-100 Lumpini Tower, 33rd Floor, Rama IV Rd., Thungmahamek, Sathorn, Bangkok 10120 Thailand

Company : TCS Pacific Ltd.

: 64 Soi Udom 60 Nongbon Prawet, Bangkok

Company : Bronson and Jacobs International

: 1558/41 K building one house in the center of Bangna - Trad Rd . , Bangna, Bangkok 10260

Company : Unify Chemical Company Limited

: 72/66-67 Moo 3, Bangtalat, Pakkret, Nonthaburi 11120

Thailand

Jamiat Ulama-i-Hind Halal Trust, New Delhi

Company : M /s Ambe Phytoextracts Pyt.Ltd.

: 1F floor, Plot No. 48, Hasanpur, IP Extension,

Delhi- 110092, India.

Korea Muslim Federation, Korea

Company : MSC Co., Ltd.

: 45-73, Sojuhoeya-ro, Yangsan-si, Gyeongsangnam-do,

Korea

Halal control inspection-and certification body for Halal-Food, Germany

Company : Sensient colors Europe GmbH in 21502 Geesthacht

(Germany)

: Geesthachter Str. 103 21502 Geesthacht Germany

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Arcadia Foods Co., Ltd.

: 33/6 Moo 1 Bangthorat, Muang Samutsakhorn 74000

#### Other Plant Colors

#### ♣ H-161b (E-161b) INS-161b Lutein

The Central Islamic Committee of Thailand, Thailand

Company : Coknisthai Company Limited

: Emporium Tower, 622 Building, Room 23 1-6 Sukhumvit 24 Klongtoey Bangkok 10110

Company : Sangthong Panich

: 120/20 Mu. 5, T. Maehear, A. Maung, Chiangmai 50100

Thailand

Company : Rovithai Limited

: 17/1 Floor, Maleenont Tower, 3199 Rama IV Rd., Klongton, Klongtoey, Bangkok 10110 Thailand

#### Halal control inspection-and certification body for Halal-Food, Germany

Company : Sensient colors Europe GmbH in 21502 Geesthacht

(Germany)

: Geesthachter Str. 103 21502 Geesthacht Germany

#### ⚠ H-161g (E-161g) INS-161g Canthaxanthin

The Central Islamic Committee of Thailand, Thailand

Company : Sahasithi Import & Export (Thailand) Co., Ltd.

: 16 Soi Saithi Sukhumwit Rd., Bankchak Prakhanong Bangkok 10260 Thailand

#### **Inorganic Compounds Used as Colors**

A H-170 (E-170) INS-170 (i) Calcium carbonate (chalk), (ii) calcium hydrogen

carbonate

The Indonesian Council of Ulama, Indonesia

Company : Lianyungang Shuren Scientific Creation

Imp & Exp. Co., Ltd.

: The east of Linhong Rd., Dapu Chemical Industry Zone

Lianyungang TEDA, Jiangsu, China

H-171 (E-171) INS-171 Titanium dioxide
The Central Islamic Committee of Thailand. Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Vicchi Enterprise Co., Ltd.

: 16 Soi Phattanakan 51, Phattanakan Rd., Suanluang,

Bangkok Thailand 10250

♣ H-173 (E-173) INS-173 Aluminium

Halal Committee, Jamiat Ulsms-E-Maharashtra, India

Company : M/s. Plant Liquids (P) Ltd.

: Kadayiruppu, kolenchory-682311, Cochin, Kerala, India

♣ H-180 (E-180) INS-180 Pigment rubine or lithol rubine BK

Halal Committee, Jamiat Ulsms-E-Maharashtra, India

Company : M/s. Roha Dyechem Pvt. Ltd.

: JJT House Plot No. A/44-45, Rd., No.2, M.I.D.C.,

Andheri (E), Mumbai - 400 093, India

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Perservatives: Protect foods against microbes that cause spoilage and food poisoning; compounds increase the safe storage life of foods

#### Sorbic Acid and Its Salts

♣ H-200 (E-200) INS-200 Sorbic acid

The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi Huaykwang Bangkok 10310 Thailand

#### The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

#### Halal Food Council of Europe, Belgium

Company : Nutrinova Nutrition Specialties & Food Ingredients

**GmbH** 

: Am Unisys - Park 1 Sulzbach (Taunus),

Deutschland, Germany

H-202 (E-202) INS-202 Potassium sorbate
The Central Islamic Committee of Thailand, Thailand

The contrar lolarille committee of manaria, manaria

Company : Tinnakorn Chemical and Supply Co., Ltd.

: 83 Soi Udomsuk 41, Sukhumvit 103 Rd.,

Bangjark, Phrakhanong, Bangkok 10260 Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi Huaykwang Bangkok 10310 Thailand

#### The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

#### Halal Food Council of Europe, Belgium

Company : Nutrinova Nutrition Specialties & Food Ingredients

**GmbH** 

: Am Unisys - Park 1 Sulzbach (Taunus),

Deutschland, Germany

#### The Indonesian Council of Ulama, Indonesia

Company : Daicel Nanning Food Ingredients Co., Ltd.

: 29 Jinkai Rd., Nanning, Guangxi, P.R. China

Company : Lianyungang Shuren Scientific Creation Imp & Exp.

Co., Ltd.

: The east of Linhong Rd., Dapu Chemical Industry Zone

Lianyungang TEDA, Jiangsu, China

H-203 (E-203) INS-203 Calcium sorbate
The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi Huaykwang Bangkok 10310 Thailand

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#### Benzoic Acid and Its Salts

♣ H-210 (E-210) INS-210 Benzoic acid (occurs naturally in many fruits)

The Central Islamic Committee of Thailand, Thailand

Company : Emerald Kalama Chemical BV

: Mijnweg 1, 6167 AC Geleen The Netherlands

H-211 (E-211) INS-211 Sodium benzoate
The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi Huaykwang Bangkok 10310 Thailand

The Islamic Food and Nutrition Council of America, America

Company : Emerald Kalama Chemical BV

: Mijnweg 1, 6167 AC Geleen The Netherlands

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

The Indonesian Council of Ulama, Indonesia

Company : Lianyungang Shuren Scientific Creation Imp & Exp. Co.,

Ltd.

: The east of Linhong Rd., Dapu Chemical Industry Zone

Lianyungang TEDA, Jiangsu, China

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

Perservatives: Protect foods against microbes that cause spoilage and food poisoning; compounds increase the safe storage life of foods

**Other Preservatives** 

♣ H-234 (E-234) INS-234 Nisin

The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

♠ H-235 (E-235) INS-235 Natamycin (NATA) (for surface treatment of chesses

and dried cured sausages)

The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

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#### **Pickling Salts**

♣ H-250 (E-250) INS-250 Sodium nitrite

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Abbra corporation Co., Ltd.

: 12 Prachanukul 3, 2, Bangsue, Bangsue, Bangkok

H-252 (E-252) INS-252 Potassium nitrate (saltpetree)

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

H-261 (E-261) INS-261 Potassium acetate

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

♣ H-262 (E-262) INS-262 (i) Sodium acetate,

(ii) sodium hydrogen acetate (sodium diacetate)

The Central Islamic Committee of Thailand, Thailand

Company : Jebsen & Jessen NutriLife (T) Ltd.

: 23/110-117, Sorachai Building, 25-29th Floor, Soi Sukhumvit 63 (Ekamai), Sukhumvit Rd., Klongton Nua, Wattana, Bangkok 10110 Thailand

The Indonesian Council of Ulama, Indonesia

Company : Lianyungang Shuren Scientific Creation Imp & Exp.

Co., Ltd.

: The east of Linhong Rd., Dapu Chemical Industry Zone

Lianyungang TEDA, Jiangsu, China

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Tida Tech Company Limited

: 68/325 Soi Ramkhamhaeng 164, Minburi,

Bangkok 10510 Thailand

♣ H-263 (E-263) INS-263 Calcium acetate

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

H-281 (E-281) INS-281 Sodium propionate

The Central Islamic Committee of Thailand, Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee Yannawa Bangkok

10120 Thailand

The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

The Indonesian Council of Ulama, Indonesia

Company : Lianyungang Shuren Scientific Creation Imp & Exp.

Co., Ltd.

: The east of Linhong Rd., Dapu Chemical Industry Zone

Lianyungang TEDA, Jiangsu, China

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H-282 (E-282) INS-282 Calcium propionate
The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Fourfoods Co., Ltd.

: 25/6 Moo 5 Lumlukka Phathumtani 12150

The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

The Indonesian Council of Ulama, Indonesia

Company : Lianyungang Shuren Scientific Creation Imp & Exp. Co.,

Ltd.

: The east of Linhong Rd., Dapu Chemical Industry Zone

Lianyungang TEDA, Jiangsu, China

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

♣ H-296 (E-296) INS-296 Malic acid

The Central Islamic Committee of Thailand, Thailand

Company : Tinnakorn Chemical and Supply Co., Ltd.

: 83 Soi Udomsuk 41, Sukhumvit 103 Rd., Bangjark,

Phrakhanong, Bangkok10260 Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee, Yannawa, Bangkok 10120 Thailand

Company : Connell Bros. Co., (Thailand) Ltd.

: B.B Building, 18th Floor, Unit 1802 No. 54 Sukhumvit 21 Rd., (Asoke), Klongtoey-Nuea,

Wattana, Bangkok 10110 Thailand

Company : F.A. International Co., Ltd.

: 317 Soi Yasoop 1 Wiphawadee-Rungsit Rd., Ladyaow Jatujak Bangkok 10900 Thailand

Company : Euro-Thai Aromatics Co., Ltd.

: 19/9 Moo 17, Soi Prapawan home, Suwinthawong Rd.,

Sansaeb, Minburi, Bangkok 10510 Thailand

Company : Brenntag Ingredients (Thailand)

**Public Company Limited** 

: 1168/98-100 Lumpini Tower, 33rd Floor, Rama IV Rd., Thungmahamek, Sathorn, Bangkok 10120 Thailand

Company : Jebsen & Jessen NutriLife (T) Ltd.

: 23/110-117, Sorachai Building, 25-29th Floor, Soi Sukhumvit 63 (Ekamai), Sukhumvit Rd., Klongton Nua, Wattana, Bangkok 10110 Thailand ♠ H-297 (E-297) INS-297 Fumaric acid

The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi Huaykwang Bangkok 10310 Thailand

Company : Tinnakorn Chemical and Supply Co., Ltd.

: 83 Soi Udomsuk 41, Sukhumvit 103 Rd.,

Bangjark, Phrakhanong, Bangkok 10260 Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee, Yannawa, Bangkok 10120 Thailand Anitioxidants: Used to prevent fatty foods going rancid, and to protect fatsoluble vitamins (a,d,e, and k) against the damaging effects of oxidation

#### Vitamin C and Derivatives

H-300 (E-300) INS-300 L-Ascorbic acid (VitaminC)
The Central Islamic Committee of Thailand, Thailand

Company : Rovithai Limited

: 17/1 Floor, Maleenont Tower, 3199 Rama IV Rd., Klongton, Klongtoey, Bangkok 10110 Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee, Yannawa,

Bangkok 10120 Thailand

Company : F.A. International Co., Ltd.

: 317 Soi Yasoop 1 Wiphawadee-Rungsit Rd., Ladyaow Jatujak Bangkok 10900 Thailand

Company : Sahasithi Import & Export (Thailand) Co., Ltd.

: 16 Soi Saithi Sukhumwit Rd., Bankchak Prakhanong Bangkok 10260 Thailand

Company : limited partnership Sinsiam Medical Supplies

: 62/5-6 Moo 1 Tambon Om Kret Phong Street in November,

Pak Kret Nonthaburi 11120

Company : Nature Expert Limited

: 348 Nak Niwat Rd., Lat Phrao, Bangkok 10230

Company : World Food & Chemical Co., Ltd.

: 116/79 S.S.P. Tower 2 Floor 21 Na-Ranong Rd.,

Klongtoey Bangkok 10110

#### The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

Company : Northest Pharmaceutical Group Co., Ltd.

: Shenyang China

#### The Indonesian Council of Ulama, Indonesia

Company : DSM Nutritional Products UK Ltd.

: Dalry Ayrshire KA24 5JJ Scotland Darly,

United of Kingdom

Company : Northease Pharmaceutical Group Co., Ltd.

: No.37 Zhonggong Bei Street. Tiexi Distric, Shenyang,

liaoning Province, P.R. China

H-301 (E-301) INS-301 Sodium-L-ascorbate
The Central Islamic Committee of Thailand, Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee, Yannawa,

Bangkok 10120 Thailand

Company : P And W Essential Co., Ltd.

: 10/25 Soi Prachachuen 1 Prachachuen Rd.,

Bangsue Bangkok 10800 Thailand

Company : Jebsen & Jessen NutriLife (T) Ltd.

: 23/110-117, Sorachai Building, 25-29th Floor, Soi Sukhumvit 63 (Ekamai), Sukhumvit Rd., Klongton Nua, Wattana, Bangkok 10110 Thailand

#### The Indonesian Council of Ulama, Indonesia

Company : DSM Nutritional Products UK Ltd.

: Dalry Ayrshire KA24 5JJ Scotland Darly,

United of Kingdom

H-302 (E-302) INS-302 Calcium-L-ascorbate
The Central Islamic Committee of Thailand, Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee Yannawa Bangkok

10120 Thailand

Company : Jebsen & Jessen NutriLife (T) Ltd.

: 23/110-117, Sorachai Building, 25-29th Floor, Soi Sukhumvit 63 (Ekamai), Sukhumvit Rd., Klongton Nua, Wattana, Bangkok 10110 Thailand

♣ H-304 (E-304) INS-304 (i) Ascorbyl palmitate, (ii) ascorbyl stearate

The Central Islamic Committee of Thailand, Thailand

Company : Rovithai Limited

: 17/1 Floor, Maleenont Tower, 3199 Rama IV Rd., Klongton, Klongtoey, Bangkok 10110 Thailand

The Indonesian Council of Ulama, Indonesia

Company : Zhejing Tianxin Pharmaceutical Co., Ltd.

: 215 Fengze Rd., Tiantai Zhejing Province China

**⚠** H-315 (E-315) INS-315 Erythorbic acid (iso-ascorbic acid)

Shandong Islamic Association, China

Company : H&A (Canada) Industrial Inc.

: 1160 Tapscott Rd., U 2&3, Toronto, Ontario, Canada

♣ H-316 (E-316) INS-316 Sodium erythorbate (sodium iso-ascrbate)

The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

#### Vitamin E

♣ H-306 (E-306) INS-306 Natural extracts rich in tocopherols

The Central Islamic Committee of Thailand, Thailand

Company : Thai-china Flavoura and Fragrances Industry Co., Ltd.

: 99 Moo 2,Lat bualuang,Phra nakhon si Ayutthaya

Majelis Ulama Islamic Singapura, Singapore

Company : Davos Life Science Pte Ltd.

: 16 Tuas South Street 5, Singapore

H-307 (E-307) INS-307 Sysnthetic 0−tocopherol
The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

Majelis Ulama Islamic Singapura, Singapore

Company : Davos Life Science PTE Ltd.

: 16 Tuas South Street 5, Singapore

**Δ** H-308 (E-308) INS-308 Sysnthetic  $\beta$ -tocopherol

Majelis Ulama Islamic Singapura, Singapore

Company : Davos Life Science Pte Ltd.

: 16 Tuas South Street 5, Singapore

♣ H-309 (E-309) INS-309 Sysnthetic \/-tocopherol

Majelis Ulama Islamic Singapura, Singapore

Company : Davos Life Science Pte Ltd.

: 16 Tuas South Street 5, Singapore

#### Other Antioxidants

**⚠** H-311 (E-311) INS-311 (i) Monosodium citrate,

(ii) disodium citrate, (iii) trisodium citrate

The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

H-320 (E-320) INS-320 Butylated hydroxyanisole (BHA)

The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

H-321 (E-321) INS-321 Butylated hydroxytoluene (BHT)

The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

♣ H-322 (E-322) INS-322 Lecithin

The Central Islamic Committee of Thailand, Thailand

Company : Coknisthai Company Limited

: Emporium Tower, 622 Building, Room 23 1-6 Sukhumvit

24 Klongtoey Bangkok 10110

Company : Chemico Inter Corporation Co., Ltd.

: 1 Soi Ladprao 101 Soi 42 Yak 1, Ladprao Rd., Klongchan,

Bangkapi, Bangkok 10240 Thailand

Company : Sahasithi Import & Export (Thailand) Co., Ltd.

: 16 Soi Saithi Sukhumwit Rd., Bankchak Prakhanong

Bangkok 10260 Thailand

Halal Certification Authority International, Australia

Company : Medichem Specialties Corporration Limited

: Chuangxin Building No.25 Gaoxin First Rd., Xian Hi-tech

Zone 710075 Xian China

Jamiat Ulama-E-Maharashtra, India

Company : M/s.Lasenor Charbhuja Foods Pvt. Ltd.

: G-57, Five Star Industrial Area, MIDC Butibori,

Nagpur-441110, India

Salts of Lactic Acid (E-270)

♣ H-325 (E-325) INS-325 Sodium lactate

The Central Islamic Committee of Thailand, Thailand

Company : Jebsen & Jessen NutriLife (T) Ltd.

: 23/110-117, Sorachai Building, 25-29th Floor, Soi Sukhumvit 63 (Ekamai), Sukhumvit Rd., Klongton Nua, Wattana, Bangkok 10110 Thailand

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Tida Tech Company Limited

: 68/325 Soi Ramkhamhaeng 164, Minburi,

Bangkok 10510 Thailand

H-326 (E-326) INS-326 Potassium Lactate
The Central Islamic Committee of Thailand, Thailand

Company : Jebsen & Jessen NutriLife (T) Ltd.

: 23/110-117, Sorachai Building, 25-29th Floor, Soi Sukhumvit 63 (Ekamai), Sukhumvit Rd., Klongton Nua, Wattana, Bangkok 10110 Thailand ♣ H-327 (E-327) INS-327 Calcium Lactate

The Central Islamic Committee of Thailand, Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee, Yannawa,

Bangkok 10120 Thailand

Company : Topflight Interfoods Co., Ltd.

: 20/6 M. 2 Suwinthawong Rd., Lumpakshe,

Nongjok Bangkok 10530 Thailand

Company : TCS Pacific Ltd.

: 64 Soi Udom 60 Nongbon Prawet, Bangkok

Company : Jebsen & Jessen NutriLife (T) Ltd.

: 23/110-117, Sorachai Building, 25-29th Floor, Soi Sukhumvit 63 (Ekamai), Sukhumvit Rd., Klongton Nua, Wattana, Bangkok 10110 Thailand

Company : Unify Chemical Company Limited

: 72/66-67 Moo 3, Bangtalat, Pakkret,

Nonthaburi 11120 Thailand

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

Citric Acid and Its Salts and Esters

⚠ H-331 (E-331) INS-331 (i) Monosodium citrate, (ii) disodium citrate,

(iii) trisodium citrate

The Central Islamic Committee of Thailand, Thailand

Company : Tinnakorn Chemical and Supply Co., Ltd.

: 83 Soi Udomsuk 41, Sukhumvit 103 Rd.,

Bangjark, Phrakhanong, Bangkok 10260 Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee, Yannawa,

Bangkok 10120 Thailand

Company : Sahasithi Import & Export (Thailand) Co., Ltd.

: 16 Soi Saithi Sukhumwit Rd., Bankchak, Prakhanong, Bangkok 10260 Thailand

Company : Jebsen & Jessen NutriLife (T) Ltd.

: 23/110-117, Sorachai Building, 25-29th Floor, Soi Sukhumvit 63 (Ekamai), Sukhumvit Rd., Klongton Nua, Wattana, Bangkok 10110 Thailand

Company : Siam Union Chemicals Limited

: 96/109 Moo 13 Soi Wat Khubon 3 Kannayaow Bangkok

10230

#### The Indonesian Council of Ulama, Indonesia

Company : Cofco Biochemical ( Anhui ) Co., Ltd.

: No.1 Cofco Avenue, Benghu, Anhui, China

Company : Lianyungang Shuren Scientific Creation Imp & Exp.

Co., Ltd.

: The east of Linhong Rd., Dapu Chemical Industry Zone

Lianyungang TEDA, Jiangsu, China

Company : TTCA Co., Ltd.

: No.27, Xin,an Nan Rd., Anigiu, Shandong China

Halal-Food, Germany

Company : Jungbunzlauer Austria AG

: Factory Pernhofen A-2064 Wulzeshofen (Austria)

ARA Halal Development Services Center Inc., China

Company : TTCA Co., Ltd.

: 27 Xintan Nan Raod Angiu City Shandong

Province China

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

♣ H-332 (E-332) INS-332 (i) Monopotassium citrate, (ii) dipostassium citrate, (iii) tripotassium citrate

The Indonesian Council of Ulama, Indonesia

Company : Lianyungang Shuren Scientific Creation Imp & Exp. Co.,

Ltd.

: The east of Linhong Rd., Dapu Chemical Industry Zone

Lianyungang TEDA, Jiangsu, China

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee Yannawa Bangkok

10120 Thailand

Company : Cofco Biochemical ( Anhui ) Co., Ltd.

: No.1 Cofco Avenue, Benghu, Anhui, China

Company : Weifang Ensign Industry Co., Ltd.

: No.1567, Chungsheng Street, Changle Country, Weifang

City, Shandong Province. P.R.China

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

H-333 (E-333) INS-333 (i) Monocalcium citrate, (ii) dicalcium citrate, (iii) tricalcium citrate

The Central Islamic Committee of Thailand, Thailand

Company : Tinnakorn Chemical and Supply Co., Ltd.

: 83 Soi Udomsuk 41, Sukhumvit 103 Rd., Bangjark,

Phrakhanong, Bangkok 10260 Thailand

Company : Brenntag Ingredients (Thailand) Public Company

Limited

: 1168/98-100 Lumpini Tower, 33rd Floor, Rama IV Rd., Thungmahamek, Sathorn, Bangkok 10120 Thailand

The Indonesian Council of Ulama, Indonesia

Company : Lianyungang Shuren Scientific Creation Imp & Exp. Co.,

Ltd.

: The east of Linhong Rd., Dapu Chemical Industry Zone

Lianyungang TEDA, Jiangsu, China

Company : Weifang Ensign Industry Co., Ltd.

: No.1567, Chungsheng Street, Changle Country, Weifang

City, Shandong Province. P.R.China

Acids and their salts: Used as flavorings and as buffers to control the acidity of foods, in addition to other special uses

**Tartaric Acid and Its Salts** 

A H-334 (E-334)

INS-334

L(+) Tartaric acid (tartaric acid occurs naturally; as well as their properties as acids, tartrates are often used as sequestrants and emulsifying agents)

Halal Certification Authority International, Australia

Company : Medichem Specialties Corporration Limited

: Chuangxin Building No.25 Gaoxin First Rd., Xian Hi-tech Zone 710075 Xian China

The Indonesian Council of Ulama, Indonesia

Company : Northest Pharmaceutical Group Co., Ltd.

: No. 37 The Zhenggong Bei Street Tiexi Distric Shenyang

China

#### **Phosphoric Acid and Its Salts**

♣ H-339 (E-339)

INS-339

(i) Monosodium phosphate, (ii) disodium phosphate,

(iii) trisodium phosphate

The Indonesian Council of Ulama, Indonesia

Company : Lianyungang Shuren Scientific Creation Imp & Exp.

Co., Ltd.

: The east of Linhong Rd., Dapu Chemical Industry Zone

Lianyungang TEDA, Jiangsu, China

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

♣ H-340 (E-340) INS-340

(i) Monopotassium phosphate,

(ii) dipotassium phosphate,

(iii) tripotassium phosphate

The Indonesian Council of Ulama, Indonesia

Company : Lianyungang Shuren Scientific Creation Imp&Exp.

Co., Ltd.

: The east of Linhong Rd., Dapu Chemical Industry Zone

Lianyungang TEDA, Jiangsu, China

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

⚠ H-341 (E-341)

INS-341

(i) Monocalcium phosphate, (ii) dicalcium phosphate,

(iii) tricalcium phosphate

The Central Islamic Committee of Thailand, Thailand

Company : Tinnakorn Chemical and Supply Co., Ltd.

: 83 Soi Udomsuk 41, Sukhumvit 103 Rd.,

Bangjark, Phrakhanong, Bangkok 10260 Thailand

The Indonesian Council of Ulama, Indonesia

Company : Lianyungang Shuren Scientific Creation Imp & Exp.

Co., Ltd.

: The east of Linhong Rd., Dapu Chemical Industry Zone

Lianyungang TEDA, Jiangsu, China

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

#### Other Acids and Their Salts

(Lagrangian H) H-355 (E-355) INS-355 Adipic acid

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Oleofine Organics (Thailand) Co., Ltd.

: 126/1 Moo 1, Tambon Deelang, Amphur Pattananikom,

Lopburi, 15220 Thailand

♣ H-363 (E-363) INS-363 Succinic acid

The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi Huaykwang Bangkok 10310 Thailand

♦ H-370 (E-370) INS-370 Sysnthetic α-tocopherol
The Central Islamic Committee of Thailand, Thailand

Company : Coknisthai Company Limited

: Emporium Tower, 622 Building, Room 23 1-6 Sukhumvit 24 Klongtoey Bangkok 10110 Emulsifiers and stabilizers: Used to enable oils and fats to mix with water, to give a smooth and creamy texture to food, and slow the staling of baked goods; also used to make jellies

#### **Alginates**

♣ H-401 (E-401) INS-401 Sodium alginate
The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi Huaykwang Bangkok 10310 Thailand

#### The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

#### Halal food country of Europe, Europe

Company : Dupont Nutrition Bioscience APS Grindsted, Denmark

: Tårnvej 25, 7200 Grindsted, Denmark

Company : Danisco Landerneau S.A.S Cedex, France

: La Grande Palud, 29207 Landerneau, France

Company : Danisco Landerneau S.A.S Cedex, France

: La Grande Palud, 29207 Landerneau, France

#### Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Qingdao Gather Great Ocean Algae Industry Group Co.,

Ltd.

: No. 17, West Shanghai 2nd Rd., Haibin Industry Park,

Jiaonan City, Qingdao, China

H-402 (E-402) INS-402 Postassium alginate
Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

#### **Other Plant Gums**

H-407 (E-407) INS-407 Carrageenan (derived from the seaweed Irish moss)

Jabatan Kemajuan Islam Malaysia (Jakim) Department Of Islamic Development

Malaysia, Malaysia

Company : MSC Co., Ltd.

: 45-73, Sojuhoeya-ro, Yangsan-si, Gyeongsangnam-do, Korea

Company : Danisco Malaysia SDN BHD

: Lot 2639 , Lorong Perusahaan Satu Prai Industrial

Estate 136000 Prai Pulau Pinang

#### Halal food country of Europe, Europe

Company : Dupont Nutrition Bioscience APS Grindsted, Denmark

: Tårnvej 25, 7200 Grindsted, Denmark

#### Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Thai Food and Chemical Co., Ltd.

: 103 Soi Lasalle 43, Bangna, Bangkok 10260 Thailand

(E-410) INS-410 Locust bean gum (carob gum)

Halal food country of Europe, Europe

Company : Dupont Nutritionand Bioscience Iberica S.L. Valencia,

Spain

: Av. Espioca, 22, 46460 Silla, Valencia, Spain

**№** H-412 (E-412) INS-412 Guar gum

The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

Halal food country of Europe, Europe

Company : Dupont Nutrition Bioscience APS Grindsted, Denmark

: Tårnvej 25, 7200 Grindsted, Denmark

Halal committee-Jamiat Ulama-E-Maharashtra, India

Company : M/s.Lotus Gums&Chemicals

: G-657 MIA2 Phase Basni Jodhpur-342005

Rajasthan-India

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Vicchi Enterprise Co., Ltd.

: 16 Soi Phattanakan 51, Phattanakan Rd., Suanluang,

Bangkok Thailand 10250

♣ H-415 (E-415) INS-415 Xanthan gum

The Central Islamic Committee of Thailand, Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee, Yannawa, Bangkok 10120 Thailand

Company : F.A. International Co., Ltd.

: 317 Soi Yasoop 1 Wiphawadee-Rungsit Rd., Ladyaow,

Jatujak, Bangkok 10900 Thailand

Company : Aromatech Flavours Co., Ltd.

: 104/32 Soi Ladprao 124 (Sawaddikarn), Ladprao Rd.,

Kwang Plubpla, Khet Wangthonglang,

Bangkok 10310 Thailand

Company : Jim's Group Co., Ltd.

: 2 Soi Lartnimitr, Ramkhamhaeng Rd.,

Huamark, Bangkapi, Bangkok 10240 Thailand

Company : Topflight Interfoods Co., Ltd.

: 20/6 M. 2 Suwinthawong Rd., Lumpakshe,

Nongjok, Bangkok 10530 Thailand

Company : Euro-Thai Aromatics Co., Ltd.

: 19/9 Moo 17, Soi Prapawan home, Suwinthawong Rd.,

Sansaeb, Minburi, Bangkok 10510 Thailand

Company : Sahasithi Import & Export (Thailand) Co., Ltd.

: 16 Soi Saithi Sukhumwit Rd., Bankchak, Prakhanong, Bangkok 10260 Thailand Company : Advance Pharma Co., Ltd.

: 83 Soi Chatsan Sutthisantonply Rd.,

Samsennork Huaykwang Bangkok 10310 Thailand

Company : Brenntag Ingredients (Thailand)

**Public Company Limited** 

: 1168/98-100 Lumpini Tower, 33rd Floor, Rama IV Rd., Thungmahamek, Sathorn, Bangkok 10120 Thailand

Company : Unify Chemical Company Limited

: 72/66-67 Moo 3, Bangtalat, Pakkret, Nonthaburi 11120

Thailand

The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

Company : CP Kelco Corporate

: 3100 Cumberland Boulevard Atlanta GA USA

Halal-Food, Germany

Company : Jungbunzlauer Austria AG

: Factory Pernhofen A-2064 Wulzeshofen (Austria)

Halal food country of Europe

Company : Danisco France SAS

: Zone d'Activités de Buxières F-86220 Dangé Saint

Romain France

Company : Danisco France SAS

: Zone d'Activités de Buxières F-86220 Dangé Saint

Romain France

Shandong Islamic Association, China

Company : Deosen Biochemical Ltd.

: Anping Rd., Linzi District, Zibo, Shandong,

China (255000)

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : NutritionSc Co., Ltd.

: 47/2 Moo 6 Puttamonton Sai 4 Rd., Krathumlom,

Sarmparn, Nakhonpathom 73220 Thailand

GPS 13.728103,100.328977

#### **Fatty Acid Derivatives**

H-432 (E-432) INS-432 Polyoxyethylene (20) sorbitan monolaurate (Polysorbate 20)

The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

Company : Croda Singapore Pte Ltd.

: 30 Seraya Avenue # Singapore 627884

Majlis Ugama Islam Singapura, Singapore

Company : Croda Singapore Pte Ltd.

: 30 Seraya Avenue # Singapore 627884

♣ H-433 (E-433) INS-433 Polyoxyethylene (20) sorbitan monooleate

(Pollysorbate 80)

The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

♣ H-435 (E-435) INS-435 Polyoxyethylene(20) sorbitan monostearate

(Plysorbate 60)

The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

#### **Pectin and Derivatives**

♣ H-440 (E-440) INS-440 (i) Pectin, (ii) amidated pectin (pectin occurs in many

fruits, and is often added to jam to help it set)

Halal food country of Europe, Europe

Company : Danisco Bohemia Czech, Republic

: Pekařská 628/14, 158 00 Praha 5-Jinonice, Czech

Republic

Company : Dupont Nutrition Bioscience APS Grindsted, Denmark

: Tårnvej 25, 7200 Grindsted, Denmark

Company : Cargilli, Inc.

: Box 9300 Minneapolis, MN 55440-9300 United States

## Salths or Esters of Fatty Acids

H-471 (E-471) INS-471 Mono- and diglycerides of fatty acids

Jabatan Kemajuan Islam Malaysia (Jakim) Department Of Islamic Development

Malaysia, Malaysia

Company : Danisco Malaysia SDN BHD

: Lot 2639 , Lorong Perusahaan Satu Prai Industrial

Estate 136000 Prai Pulau Pinang

♣ H-472a (E-472a) INS-472a Acetic acid esters of mono- and digylcerides

of fatty acids

The Central Islamic Committee of Thailand, Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee Yannawa Bangkok

10120 Thailand

Company : Caltech Corp., Ltd.

: 38/8 Moo 3, Tambon Bangpla, Amphoe Bangplee,

Samutprakarn 10540 Thailand

Company : Euro-Thai Aromatics Co., Ltd.

: 19/9 Moo 17, Soi Prapawan home, Suwinthawong Rd.,

Sansaeb, Minburi, Bangkok 10510 Thailand

♣ H-472b (E-472b) INS-472b Lactic acid esters of mono- and diglycerides

of fatty acids

The Central Islamic Committee of Thailand, Thailand

Company : Coknisthai Company Limited

: Emporium Tower, 622 Building, Room 23 1-6 Sukhumvit

24 Klongtoey Bangkok 10110

♣ H-472c (E-472c) INS-472c Citric acid esters of mono- and diglycerides of fatty acids

Jabatan Kemajuan Islam Malaysia (Jakim) Department of Islamic Development Malaysia, Malaysia

Company : Danisco Malaysia SDN BHD

: Lot 2639, Lorong Perusahaan Satu Prai Industrial

Estate 136000 Prai Pulau Pinang

♣ H-472d (E-472d) INS-472d Tartaric acid esters of mono- and diglycerides

of fatty acids

The Central Islamic Committee of Thailand, Thailand

Company : Coknisthai Company Limited

: Emporium Tower, 622 Building, Room 23 1-6 Sukhumvit

24 Klongtoey Bangkok 10110

Company : F.A. International Co., Ltd.

: 317 Soi Yasoop 1 Wiphawadee-Rungsit Rd., Ladyaow

Jatujak Bangkok 10900 Thailand

H-472e (E-472e) INS-472e Mono - and diacetyl tartaric esters of mono- and

diglycerides of fatty acids

The Central Islamic Committee of Thailand, Thailand

Company : Coknisthai Company Limited

: Emporium Tower, 622 Building, Room 23 1-6 Sukhumvit

24 Klongtoey Bangkok 10110

H-473 (E-473) INS-473 Sucrose esters of fatty acids

The Central Islamic Committee of Thailand, Thailand

Company : Caltech Corp., Ltd.

: 38/8 Moo 3, Tambon Bangpla, Amphoe Bangplee,

Samutprakarn 10540 Thailand

70: Hnumbers Halal Haram Mashbooh

⚠ H-475 (E-475) INS-475 Polyglycerol esters of fatty acids

The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

> : 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi Huaykwang Bangkok 10310 Thailand

⚠ H-481 (E-481) INS-481 Sodium stearoyl-2-lactylate

The Central Islamic Committee of Thailand, Thailand

: Coknisthai Company Limited Company

: Emporium Tower, 622 Building, Room 23 1-6 Sukhumvit

24 Klongtoey Bangkok 10110

♣ H-482 (E-482) INS-482 Calcium stearoyl-2-lactylate

The Central Islamic Committee of Thailand, Thailand

: Coknisthai Company Limited Company

: Emporium Tower, 622 Building, Room 23 1-6 Sukhumvit

24 Klongtoey Bangkok 10110

Jabatan Kemajuan Islam Malaysia (Jakim) Department Of Islamic Development

Malaysia, Malaysia

: Danisco Malaysia SDN BHD Company

: Lot 2639, Lorong Perusahaan Satu Prai Industrial

Estate 136000 Prai Pulau Pinang

Acids and salts used for special purposes: Buffers, emulsifying salts, sequestrants, stabilizers, raising agents and anticaking agents

#### **Carbonates**

H-500 (E-500)

INS-500

(i) Sodium carbonate, (ii) sodium bicarbonate (sodium

hydrogen carbonate), (iii) sodium sesquicarbonate

The Central Islamic Committee of Thailand, Thailand

Company : Tinnakorn Chemical and Supply Co., Ltd.

: 83 Soi Udomsuk 41, Sukhumvit 103 Rd., Bangjark, Phrak

hanong, Bangkok 10260 Thailand

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

**№** H-501 (E-501) INS-501

(i) Potassium carbonate, (ii) potassium bicarbonate

(potassium hydrogencarbonate)

Shandong Islamic Association, China

: Jiangsu Korod Food Ingredients Co., Ltd. Company

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

♣ H-504 (E-504)

INS-504

(i) Magnesium carbonate, (ii) magnesium hydrogen

carbonate (magnesium hydroxide carbonate)

The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

72: OHnumbers HALAL HARAM MASHBOOH Hnumbers HALAL HARAM MASHBOOH:73

## Hydrochloric Acid and Its salts

H-508 (E-508) INS-508 Potassium chloride
The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

The Indonesian Council of Ulama, Indonesia

Company : Lianyungang Shuren Scientific Creation Imp & Exp. Co.,

Ltd.

: The east of Linhong Rd., Dapu Chemical Industry Zone

Lianyungang TEDA, Jiangsu, China

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

H-509 (E-509) INS-509 Calcium chloride
The Central Islamic Committee of Thailand, Thailand

Company : Grand Chemical Companies

: 321/18 Nanglinchi Rd., Chongnonsee, Yannawa,

Bangkok 10120 Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

H-511 (E-511) INS-511 Magnesium chloride

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

#### Sulfuric Acid and Its Salts

(i) sodium sulfate, (ii) sodium hydrogen sulfate ⚠ H-514 (E-514) INS-514 Shandong Islamic Association, China

: Jiangsu Korod Food Ingredients Co., Ltd. Company

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

⚠ H-516 (E-516) INS-516 Calcium sulfate

Shandong Islamic Association, China

: Jiangsu Korod Food Ingredients Co., Ltd. Company

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

**△** H-518 (E-518) INS-518 Magnesium sulfate

Shandong Islamic Association, China

: Jiangsu Korod Food Ingredients Co., Ltd. Company

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

#### Alkali: Used as Bases to Neutralize Acids in Foods

⚠ H-524 (E-524) INS-524 Sodium hydroxide

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

♣ H-525 (E-525) INS-525 Potassium hydroxide The Central Islamic Committee of Thailand, Thailand

> Company : Sunnyworld Co., Ltd.

> > : 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

Shandong Islamic Association, China

Company : Jiangsu Korod Food Ingredients Co., Ltd.

: Wei'er Rd., Guanyun, Lianyungang, Jiangsu, China

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

: Oleofine Organics (Thailand) Co., Ltd. Company

: 126/1 Moo 1, Tambon Deelang, Amphur Pattananikom,

Lopburi, 15220 Thailand

### Compounds Used as Anticaking Agents, and for Other Uses

**△** H-545 (E-545) INS-545 Ammonium Polyphosphates

The Central Islamic Committee of Thailand, Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee Yannawa Bangkok

10120 Thailand

#### Silicon Salts

♣ H-551 (E-551) INS-551 Silicone dioxide (silica, sand)

The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

## **Other Compounds**

⚠ H-570 (E-570) INS-570 Fatty acids

The Central Islamic Committee of Thailand, Thailand

Company : Coknisthai Company Limited

: Emporium Tower, 622 Building, Room 23 1-6 Sukhumvit

24 Klongtoey Bangkok 10110

Company : Caltech Corp., Ltd.

: 38/8 Moo 3, Tambon Bangpla, Amphoe Bangplee,

Samutprakarn 10540 Thailand

Company : Srithai Food Service Co., Ltd.

: 171 Soi On-nuch 46 On-nuch Rd., Suanluang Bangkok

10250 Thailand

♣ H-572 (E-572) INS-572 Magnesium stearate The Central Islamic Committee of Thailand, Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee Yannawa Bangkok

10120 Thailand

Company : Siam Union Chemicals Limited

: 96/109 Moo 13 Soi Wat Khubon 3 Kannayaow Bangkok

10230

The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd., Qing,

Shandong 266071 China

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Arcadia Foods Co., Ltd.

: 33/6 Moo 1 Bangthorat, Muang Samutsakhorn 74000

H-576 (E-576) INS-576 Sodium gluconate
The Central Islamic Committee of Thailand, Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee Yannawa Bangkok

10120 Thailand

Company : Sahasithi Import & Export (Thailand) Co., Ltd.

: 16 Soi Saithi Sukhumwit Rd., Bankchak Prakhanong

Bangkok 10260 Thailand

### Compounds Used as Flavor Enhancers

⚠ H-620 (E-620) INS-620 L-Glutamic acid (a natural amino acid)

The Islamic Food and Nutrition Council of America, America

Company : Ningbo Zhenhai Haide Biochem Co., Ltd.

: 799 FengXiang Rd., Xiepu, Zhenhai, Ningbo P.R. China

315204

H-621 (E-621) INS-621 Monosodium glutamate (MSG)

The Central Islamic Committee of Thailand, Thailand

Company : F.A. International Co., Ltd.

: 317 Soi Yasoop 1 Wiphawadee-Rungsit Rd., Ladyaow

Jatujak Bangkok 10900 Thailand

Company : Witcorp Products Ltd.

: 77/113 Sin Sathorn Tower 27th Floor Krungthonburi

Rd., Klongtonsai, Klongsan, Bangkok 10600 Thailand

Company : Brenntag Ingredients (Thailand) Public Company

Limited

: 1168/98-100 Lumpini Tower, 33rd Floor, Rama IV Rd., Thungmahamek, Sathorn, Bangkok 10120 Thailand

Company : The Thai Churos Limited

: 5-7 Sap Rd., Siphraya Bangrak Bangkok 10500 Thailand

Company : Food Machinery Co., Ltd.

: 410 / 65-66 Ratchadapisek Rd., Samsennok Kwang,

Bangkok 10310

Company : World Food & Chemical Co., Ltd.

: 116/79 S.S.P. Tower 2 Floor 21 Na-Ranong Rd.,

Klongtoey Bangkok 10110

Company : Showa Kosan (Thailand) Co., Ltd.

: 487/1 7Th Fl. Si Ayuthaya Building Khwaeg,

Phaya Thai Rd., Khet Rachathewi

Bangkok 10400 Thailand

Company : Unify Chemical Company Limited

: 72/66-67 Moo 3, Bangtalat, Pakkret, Nonthaburi 11120

Thailand

ARA Halal Development Services Center Inc., China

Company : Henan Lotus Flower Gourmet Power Co., Ltd.

: 18 Lianhua St XiangCheng City Henan Province China

Henan Islamic Association, China

Company : Henan Lotus Flower Gourmel Power Co., Ltd.

: 18 Lianhua St XiangCheng City Henan Province China

Shandong Islamic Association, China

Company : Aipu Food Industry Co., Ltd.

: 111 Euoxin Rd., Baoshan District Shanghai China

The Islamic Food and Nutrition Council of America. America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

Company : Xiwang Group Co., Ltd.

: Handian Town, Zouping Country, Shandong Provience,

China 256209

The Indonesian Council of Ulama, Indonesia

Company : Daesang Corporation

: 208, Oehang 1-gil, Gunsan, Jeollabuk-do,

573-400 S.korea

H-627 (E-627) INS-627 Disodium guanylate

The Indonesian Council of Ulama, Indonesia

Company : Daesang Corporation

: 208, Oehang 1-gil, Gunsan, Jeollabuk-do, 573-400

S.korea

H-631 (E-631) INS-631 Disodium inosinate

The Indonesian Council of Ulama, Indonesia

Company : Daesang Corporation

: 208, Oehang 1-gil, Gunsan, Jeollabuk-do,

573-400 S.korea

H-635 (E-635) INS-635 Disodium 5-ribonucleotides

The Central Islamic Committee of Thailand, Thailand

Company : Unify Chemical Company Limited

: 72/66-67 Moo 3, Bangtalat, Pakkret, Nonthaburi 11120

Thailand

♣ H-636 (E-636) INS-636 Maltol

The Central Islamic Committee of Thailand, Thailand

Company : Advance Pharma Co., Ltd.

: 83 Soi Chatsan Sutthisantonply Rd., Samsennork

Huaykwang Bangkok 10310 Thailand

The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

H-637 (E-637) INS-637 Ethyl maltol Shandong Islamic Association, China

Company : Aipu Food Industry Co., Ltd.

: 111 Euoxin Rd., Baoshan District Shanghai China

The Islamic Food and Nutrition Council of America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd., Qing,

Shandong 266071 China

⚠ H-640 (E-640) INS-640 Glycine and its sodium salt (a natural amino acid)

The Central Islamic Committee of Thailand, Thailand

Company : Tinnakorn Chemical and Supply Co., Ltd.

: 83 Soi Udomsuk 41, Sukhumvit 103 Rd., Bangjark, Phra

khanong, Bangkok 10260 Thailand

Company : Sunnyworld Co., Ltd.

: 719 KPN Tower A3 Floor Unit 3 Rama 9 Rd., Bangkapi

Huaykwang Bangkok 10310 Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee Yannawa Bangkok

10120 Thailand

Company : Intergoods Company Limited

: 999/99 Rama 9 Rd., Suanluang Bangkok 10250 Thailand

Company : F.A. International Co., Ltd.

: 317 Soi Yasoop 1 Wiphawadee-Rungsit Rd., Ladyaow

Jatujak Bangkok 10900 Thailand

Company : Witcorp Products Ltd.

: 77/113 Sin Sathorn Tower 27th Floor Krungthonburi Rd., Klongtonsai, Klongsan, Bangkok 10600 Thailand

Company : Jim's Group Co., Ltd.

: 2 Soi Lartnimitr, Ramkhamhaeng Rd., Huamark,

Bangkapi, Bangkok 10240, Thailand

Company : Sahasithi Import & Export (Thailand) Co., Ltd.

: 16 Soi Saithi Sukhumwit Rd., Bankchak Prakhanong

Bangkok 10260 Thailand

Company : Advance Pharma Co., Ltd.

: 83 Soi Chatsan Sutthisantonply Rd., Samsennork,

Huaykwang, Bangkok 10310 Thailand

Company : Premier Food and Flavour Co., Ltd.

: 68/76-77 Moo 5 Rama 2 Rd., Jomthong Dist Bangkok

10150 Thailand

Company : Brenntag Ingredients (Thailand) Public Company

Limited

: 1168/98-100 Lumpini Tower, 33rd Floor, Rama IV Rd.,

Thungmahamek, Sathorn, Bangkok 10120 Thailand

Company : TCS Pacific Ltd.

: 64 Soi Udom 60 Nongbon Prawet, Bangkok

Company : Siam Union Chemicals Limited

: 96/109 Moo 13 Soi Wat Khubon 3 Kannayaow Bangkok

10230

#### Halal Certification Authority International, Australia

Company : Medichem Specialties Corporration Limited

Chuangxin

: Building No.25 Gaoxin First Rd., Xian Hi-tech Zone

710075 Xian China

#### The Islamic Food and Nutrition Council of America, America

Company : Ningbo Zhenhai Haide Biochem Co., Ltd.

: 799 FengXiang Rd., Xiepu, Zhenhai, Ningbo P.R. China

315204

## Compoounds Used to Treat Flour

⚠ H-920 (E-920) INS-920 L-Cysteine hydrochloride (a natural amino acid)

The Central Islamic Committee of Thailand, Thailand

Company : Tinnakorn Chemical and Supply Co., Ltd.

: 83 Soi Udomsuk 41, Sukhumvit 103 Rd., Bangjark,

Phrakhanong, Bangkok 10260 Thailand

Company : Brenntag Ingredients (Thailand) Public Company

Limited

: 1168/98-100 Lumpini Tower, 33rd Floor, Rama IV Rd., Thungmahamek, Sathorn, Bangkok 10120 Thailand

#### Halal Certification Authority International, Australia

Company : Medichem Specialties Corporration Limited

: Chuangxin Building No.25 Gaoxin First Rd., Xian Hi-tech

Zone 710075 Xian China

#### The Islamic Food and Nutrition Council of America, America

Company : Ningbo Zhenhai Haide Biochem Co., Ltd.

: 799 FengXiang Rd., Xiepu, Zhenhai, Ningbo P.R. China

315204

## **Sweeteners and Sugar Alcohols**

♣ H-420 (E-420) INS-420 (i) Sorbitol, (ii) sorbitol syrup

The Central Islamic Committee of Thailand, Thailand

Company : Witcorp Products Ltd.

: 77/113 Sin Sathorn Tower 27th Floor Krungthonburi Rd., Klongtonsai, Klongsan,

Bangkok 10600 Thailand

The Islamic Food and Nutrition Council of America, America

Company : Futaste Pharmaceutical Co., Ltd.

: Room 1002, No.177 Shandong Rd., Qingdao Shandong

Halal food council International, Malaysia

Company : Shangodng Lujian Biological Technology Co., Ltd.

: Yu Cheng HigINS-Tech Development zone, Yucheng,

Food council International

Shandong Islamic Association, China

Company : Zhucheng Dongxiao Biotechnology Co., Ltd.

: Room 2701, Unit 2, No.36 Miaoling Rd., Laoshan,

Qingdao 266 061 Shandong

Halal Forensic Laboratory, The Halal Science Center Chulalongkorn University

Company : Vicchi Enterprise Co., Ltd.

: 16 Soi Phattanakan 51, Phattanakan Rd., Suanluang,

Bangkok Thailand 10250

♣ H-421 (E-421) INS-421 Mannitol

The Central Islamic Committee of Thailand, Thailand

Company : Chemico Inter Corporation Co., Ltd.

: 1 Soi Ladprao 101 Soi 42 Yak 1, Ladprao Rd., Klongchan,

Bangkapi, Bangkok 10240 Thailand

Halal food council International, Malaysia

Company : Shangodng Lujian Biological Technology Co., Ltd.

: Yu Cheng HigINS-Tech Development zone, Yucheng,

Food council International

The Islamic Food and Nutrition Council of America, America

Company : Futaste Pharmaceutical Co., Ltd.

: Room 1002, No.177 Shandong Rd., Qingdao Shandong

♣ H-422 (E-422) INS-422 Glycerol

The Central Islamic Committee of Thailand, Thailand

Company : Patum Vegetable Oil Co., Ltd.

: 1/8 Soi Charansnitwong 55 Charansnitwong Rd., Bang

Bumru Bang Plad, Bangkok 10700 Thailand

Company : Grand Chemical Ltd., Part.

: 321/18 Nanglinchi Rd., Chongnonsee Yannawa Bangkok

10120 Thailand

Company : Caltech Corp., Ltd.

: 38/8 Moo 3, Tambon Bangpla, Amphoe Bangplee,

Samutprakarn 10540 Thailand

Company : Euro-Thai Aromatics Co., Ltd.

: 19/9 Moo 17, Soi Prapawan home, Suwinthawong Rd.,

Sansaeb, Minburi, Bangkok 10510 Thailand

Company : Sahasithi Import & Export (Thailand) Co., Ltd.

: 16 Soi Saithi Sukhumwit Rd., Bankchak, Prakhanong,

Bangkok 10260 Thailand

Company : Sunny World Co., Ltd.

: 244 Moo 9 Luangpaeng Rd., Tabyao Lardkrabang

Bangkok 10520 Thailand

Company : Thai Oleochemicals Co., Ltd.

: 555/1, Energy Complex, Building A, 15th Floor, Vibhavadi

Rangsit Rd., Chatuchak, Bankok 10900, Thailand

Company : Saboo (Thailand) Co., Ltd.

: 55/20 Bigger Land Mini Factory, Lam Luk Ka Rd.,

Tambon Bung Kham Proy, Amphur Lam Luk Ka, Pathum

Thani 12150

Company : Glycist (Thailand) Co., Ltd.

: 7/2 Moo 2 Monthong Bangnampraew Chachoengsao

24150 Thailand

Company : Coknisthai Company Limited

: Emporium Tower, 622 Building, Room 23 1-6 Sukhumvit 24, Klongtoey, Bangkok 10110

The Indonesian Council of Ulama, Indonesia

Company : PT. Nubika Jaya

: Jl. Lintas Sumatera, Desa Sumber Reio Blok Songe, Kecamatan Kota Pinang. Kabupaten Lubuhan Batu

Selatan, Sumatera Utara Inonesia

Jamiat Ulama-E-Maharashtra, India

Company : M/s.Lasenor Charbhuja Foods Pvt. Ltd.

: G-57, Five Star Industrial Area, MIDC Butibori,

Nagpur-441110, India

♣ H-950 (E-950) INS-950 Acesulfame K

The Islamic Food and Nutrition Council of America, America

Company : Futaste Pharmaceutical Co., Ltd.

: Room 1002, No.177 Shandong Rd., Qingdao Shandong

♣ H-951 (E-951) INS-951 Aspartame

The Central Islamic Committee of Thailand, Thailand

Company : F.A. International Co., Ltd.

: 317 Soi Yasoop 1 Wiphawadee-Rungsit Rd., Ladyaow

Jatujak Bangkok 10900 Thailand

Company : Chemico Inter Corporation Co., Ltd.

: 1 Soi Ladprao 101 Soi 42 Yak 1, Ladprao Rd., Klongchan,

Bangkapi, Bangkok 10240 Thailand

Company : Sahasithi Import & Export (Thailand) Co., Ltd.

: 16 Soi Saithi Sukhumwit Rd., Bankchak Prakhanong

Bangkok 10260 Thailand

Company : Brenntag Ingredients (Thailand) Public Company

Limited

: 1168/98-100 Lumpini Tower, 33rd Floor, Rama IV Rd.,

Thungmahamek, Sathorn, Bangkok 10120 Thailand

Company : TCS Pacific Ltd.

: 64 Soi Udom 60 Nongbon Prawet, Bangkok

Company : Jebsen & Jessen NutriLife (T) Ltd.

: 23/110-117, Sorachai Building, 25-29th Floor, Soi

Sukhumvit 63 (Ekamai), Sukhumvit Rd., Klongton Nua,

Wattana, Bangkok 10110 Thailand

Company : Unify Chemical Company Limited

: 72/66-67 Moo 3, Bangtalat, Pakkret, Nonthaburi 11120

Thailand

Shandong Islamic Association, China

Company : Namtong Changhai Food Additive Co., Ltd.

: South Daqing Rd., Qinglong Chemical Industry Park, Haiming Develop Nantong, Jiangsu, 226121 China

The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd., Qing,

Shandong 266071 China

The Indonesian Council of Ulama, Indonesia

Company : Sinosweet Co., Ltd.

: Yangzhu, Dingshu Township, Yixing, Jiangsu, China

♠ H-953 (E-953) INS-953 Isomalt

The Islamic Food and Nutrition Council of America. America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

H-965 (E-965) INS-965 (i) Maltitol, (ii) maltitol syrup
The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

Shandong Islamic Association, China

Company : Futaste Pharmaceutical Co., Ltd.

: Room 1002, No.177 Shandong Rd., Qingdao Shandong

Halal food council International, Malaysia

Company : Shangodng Lujian Biological Technology Co., Ltd.

: Yu Cheng HigINS-Tech Development zone, Yucheng,

Food council International

H-966 (E-966) INS-966 Lactitol
Halal food council International, Malaysia

Company : Shangodng Lujian Biological Technology Co., Ltd.

: Yu Cheng HigINS-Tech Development zone, Yucheng,

Food council International

♣ H-967 (E-967) INS-967 Xylitol

The Islamic Food and Nutrition Council of America, America

Company : Futaste Pharmaceutical Co., Ltd.

: Room 1002, No.177 Shandong Rd., Qingdao Shandong

Halal food council International, Malaysia

Company : Shangodng Lujian Biological Technology Co., Ltd.

: Yu Cheng HigINS-Tech Development zone, Yucheng,

Food council International

Shandong Islamic Association, China

Company : Futaste Pharmaceutical Co., Ltd.

: Room 1002, No.177 Shandong Rd., Qingdao Shandong

## Miscellaneous Compounds

## ♣ H-1200 (E-1200) INS-1200 Polydextrose

The Islamic Food and Nutrition Council of America, America

Company : Qingdao Free Trade Zone United International Co., Ltd.

: 18F Huaren Int'1 Bldg 2A Shangdong Rd.,

Qing, Shandong 266071 China

Company : Futaste Pharmaceutical Co., Ltd.

: Room 1002, No.177 Shandong Rd., Qingdao Shandong

The Indonesian council Of Ulama, Indonesia

Company : Baolingbao Biology Co., Ltd.

: HI-tech Derelopment Zone. Yucheng Shandong, Chine

Shandong Islamic Association, China

Company : Zhucheng Dongxiao Biotechnology Co., Ltd.

: Room 2701, Unit 2, No.36 Miaoling Rd., Laoshan,

Qingdao 266 061 Shandong

⚠ H-1518 (E-1518) INS-1518 Glyceryl triacetate (triacetin)

American Halal Foundation (AHF), America

Company : Jiansu Ruijia Chemistry Co., Ltd.

: Fenshui, Zhoutle Town, Yixing City, Jiangsu Province,

China

Jabatan Kemajuan Islam Malaysia (Jakim) Department Of Islamic Development

Malaysia, Malaysia

Company : Danisco Malaysia SDN BHD

: Lot 2639, Lorong Perusahaan Satu Prai Industrial Estate

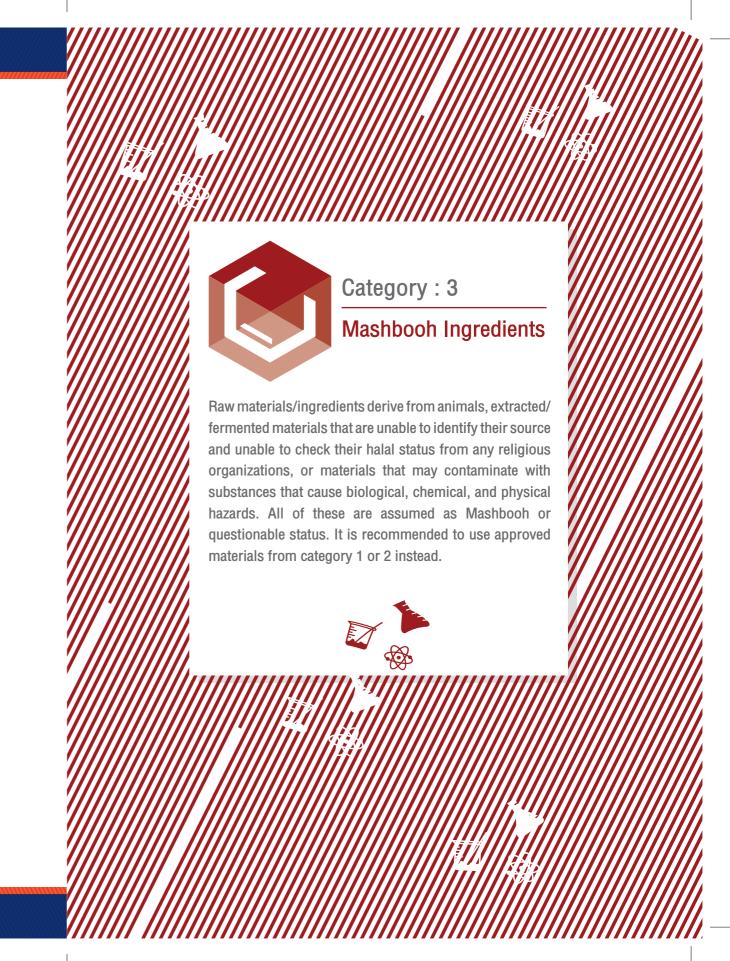
136000 Prai Pulau Pinang

Halal food council International, Malaysia

Company : Danisco Malaysia SDN BHD

: Lot 2639 Lorong Perusahaan Satu Phai Industrial Estate

Pulau Pinang





## Food color: Used to make food more colorful and attractive or to replace color lost in processing

#### Red Colors

**E-number** : E-120 **INS-number** : INS-120

**Additive** : Cochineal or carminic acid

**Problematic issues**: Carmine is the name of the color pigment obtained from

the body of cochineal insect which is an insect lives on

cacti. It is still used as an organic ant-repellent.

**Solutions**: Follow the Fatwa Committee of the National Islamic

Council.

#### Derivatives of Carotene

**E-number** : E-160e **INS-number** : INS-160e

**Additive** :  $\beta$ -Apo-8'-carotenal (Vitamin A active)

**Problematic issues:** A synthesized color in form of red to purple-red

crystalyzed powder which is water-soluble or

fat-suspendible to prevent oxydation.

**Solutions** : In case of using fat-soluble types, the fat must be derived

from plants or Halal animals. The amount of alcohol left

after the process should be minimized.

**E-number** : E-160f **INS-number** : INS-160f

**Additive** : Ethyl ether of  $\beta$ -apo-8'-carotenoic acid

**Problematic issues :** A synthesized color in form of red to purple-red

crystalyzed powder which is fat-suspendible to prevent

oxydation.

**Solutions**: In case of using fat-soluble types, the fat must be derived

from plants or Halal animals. The amount of alcohol left

after the process should be minimized.

#### **Other Plant Colors**

E-number : E-161c INS-number : INS-161c Additive : Cryptoxanthin

**Problematic issues :** E-161c is a natural carotenoid pigment. It has been

isolated from a variety of sources including the petals and flowers in genus Physalis, orange rind, papaya, egg yolk, butter, apples. It can also be derived from

bovine serum.

**Solutions** : Use E-161c that produced from plants instead.

# Perservatives: Protect foods against microbes that cause spoilage and food poisoning; compounds increase the safe storage life of foods

### Pickling Salts

E-number : E-280 INS-number : INS-280 Additive : Propionic acid

Problematic issues: It can probably be derived from fermentation using

Haram sources of enzyme or culture medium.

**Solutions** : Select propionic acid derived from process which is no

contamination with Haram things. Fermentation process should be regulated. Incase of using enzyme, sources of enzyme and culture medium should be obtained from

Halal sources.

**E-number** : E-283 **INS-number** : INS-283

**Additive** : Potassium propionate

 $\begin{picture}(20,20) \put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){10$ 

proprionic acid and potassium, in which the propionic acid used probably derived from fermentation using

Haram enzyme or culture medium.

**Solutions**: Use propionic acid derived from process which is no

contamination with Haram things. Fermentation process should be regulated. Incase of using enzyme, sources of enzyme and culture medium should be obtained from

Halal sources.

## Acids and their salts: Used as flavorings and as buffers to control the acidity of foods, in addition to other special uses

## Salts of Malic Acid (E-296)

E-number : E-350 INS-number : INS-350 Additive : Sodium malate

Problematic issues: Malic acid used can probably be derived from

fermentation using Haram sources of enzyme or culture

medium.

**Solutions** : Fermentation process should be regulated. In case of

using enzyme, sources of enzyme and culture medium

should be obtained from Halal sources.

**E-number** : E-351 **INS-number** : INS-351

**Additive** : Potassium malate

**Problematic issues:** Malic acid used can probably be derived from

fermentation using Haram sources of enzyme or

culture medium.

**Solutions**: Fermentation process should be regulated. In case of

using enzyme, sources of enzyme and culture medium

should be obtained from Halal sources.

**E-number** : E-352 **INS-number** : INS-352

**Additive** : Calcium malate

**Problematic issues**: Produced by neutralizing malic acid with hydroxide or

carbonate, in which the malic acid used probably obtained from fermentation using Haram sources of

enzyme or culture medium.

**Solutions** : Use the malic derived from the fermentation using Halal

enzyme and culture medium.

#### Other Acids and Their Salts

**E-number** : E-381 **INS-number** : INS-381

**Additive** : Ammonium ferric citrate

**Problematic issues**: Produced from the reaction between ferric hydroxide,

ammonia and citric acid, in which the citric acid used probably obtained from the fermentation using Haram

enzyme or culture medium.

**Solutions**: Use the citric acid derived from fermentation using

Halal enzyme and culture medium.

Emulsifiers and stabilizers: Used to enable oils and fats to mix with water, to give a smooth and creamy texture to food, and slow the staling of baked goods; also used to make jellies

## Fatty Acid Derivatives

**E-number** : E-430 **INS-number** : INS-430

**Additive** : Polyoxyethylene (8) stearate

 $\begin{picture}(200,0)\put(0,0){\line(0,0){100}} \put(0,0){\line(0,0){100}} \put(0,0){\line(0,0){100$ 

ethylene oxide (8 molecules), in which the stearic acid

probably derived from Haram animal.

**Solutions**: Use stearic acid obtained from Halal animals or use of

plant-made sources instead.

**E-number** : E-431 **INS-number** : INS-431

**Additive** : Polyoxyethylene (40) stearate

Problematic issues: Produced from the reaction between stearic acid and

ethylene oxide (40 molecules),in which the stearic

probably derived from Haram animals.

**Solutions**: Use stearic acid obtained from animals of Halal or use

of plant-made sources instead.

**E-number** : E-434 **INS-number** : INS-434

**Additive** : Polyoxyethlene(20) sorbitan monopalmitate

(Polysorbate 40)

**Problematic issues**: Produced from the reaction between palmitic acid, esters

of sorbital and ethylene oxide (20 molecules), in which the sorbital probably produced from fermentation with

Haram sources of enzyme or culture medium.

**Solutions**: Use sorbital produced from fermentation process without

Haram sources of enzyme and culture medium.

**E-number** : E-436 **INS-number** : INS-436

**Additive** : Polyoxyethlene (20) sorbitan tristearate

(polysorbate 65)

**Problematic issues**: Produced from the reaction between stearic acid. esters

of sorbital and ethylene oxide (20 molecules), in which the sorbital probably produced from fermentation with

Haram sources of enzyme or culture medium.

**Solutions** : Use sorbital produced from microbe produced enzymes

which is cultured in a culture medium without Haram ingredients. Stearic acid used have to be derived from

Halal animal or plants.

## Other Compounds

**E-number** : E-442 **INS-number** : INS-442

**Additive** : Ammonium phosphatides

Problematic issues: Phoshatidic acid obtained from digestion of lecithin

which is probably derived from Haram animals.

**Solutions**: Use lecithin produced by plant, ege and Halal animals

instead.

## Salts or Esters of Fatty Acids

**E-number** : E-470a **INS-number** : INS-470a

**Additive** : Sodium, potassium, and calcium salts of fatty acids

**Problematic issues**: Produced from the reaction between various types of

fatty acids and hydroxide. Stearic acid, palmitic acid. or oleic acid probably be derived from Haram animals.

**Solutions** : In case of stearic acid and oleic acid derived from

animals, the animals must be Halal or using plant-made

sources instead.

**E-number** : E-470b **INS-number** : INS-470b

**Additive** : Magnesium salts of fatty acids

Problematic issues : Produced from the reaction between various types of

fatty acids and hydroxide. Stearic acid, palmitic acid or oleic acid probably derived from Haram animals.

**Solutions** : In case of stearic acid and oleic acid derived from

animals, the animals must be Halal or using plant-made

sources instead.

**E-number** : E-472f **INS-number** : INS-472f

**Additive**: Mixed acetic and tartaric acid esters of mono- and

diglycerides of fatty acids

**Problematic issues**: Produced from the reaction between tartalic acid, acetic

acid, fatty acid and glycerol, in which the fatty acid and glycerol probably derived from Haram animals. Acetic acid probably produced from fermentation with Haram

souces of enzymes or culture medium.

**Solutions**: In case of using fatty acid and glycerol from animals,

the animals must be Halal or using plant-made sources instead. Acetic acid used were from fermentation process using Halal sources of enzyme and Halal culture

medium or using glacial acetic acid.

**E-number** : E-474 **INS-number** : INS-474

**Additive** : Ducroglycerides

**Problematic issues**: Produced from the transesterification of triaclyglycerols

(triglycerides) with sucrose, in which the triacylglycerols and enzyme probably derived from Haram animals.

**Solutions** : In case of using triacylglycerols (triglycerides) and

enzyme from animals, the animals must be Halal or using plant-made sources instead. Enzyme and culture

medium should be made from Halal sources.

**E-number** : E-476 **INS-number** : INS-476

**Additive** : Polyglycerl esters of polycondensed esters of castor oil

(polyglycerol polyricinoleate)

**Problematic issues :** Produced from esterification of polyglycerol with

ricinoleic acid deriving from caster oil, in which the

glycerol probably from Harom animals.

**Solutions** : Glycerol must be derived from Halal animals or using

plant-made sources instead. Enzyme and culture medium in fermentation process should be from Halal

sources.

**E-number** : E-477 **INS-number** : INS-477

**Additive** : Propane-1,2-diol esters of fatty acids

**Problematic issues**: Glycerol used in producing propylyne glycol and the

fatty acid probably derived from Haram animals.

**Solutions** : Glycerol must be derived from Halal animals or using

plant-made sources instead.

**E-number** : E-478 **INS-number** : INS-478

**Additive** : Lactylated fatty acid esters of glycerol and propane-1,

2-diol

**Problematic issues**: Produced from the reaction between lactic acid, propylene

glycol and fatty acids in various proportions, in which the fatty acids probably derived from Haram animals with the lactic acid probably from the fermentation using

Haram enzyme or culture medium.

**Solutions**: Fatty acid and glycerol must be derived from Halal

animals. In case of using lactic acid from fermentation, the fermentation process should be regulated, enzyme and culture medium must be derived from Halal sources.

**E-number** : E-479b **INS-number** : INS-479b

**Additive** : Thermally oxidized soybean oil interacted with mono-

and diglycerides of fatty acids

**Problematic issues**: Produced by thermal oxidization of soya bean oil with

mono- or di-glycerides of fatty acids.

**Solutions** : In case of using fatty acid, it must be derived from plants

or Halal animals.

E-number : E-483 INS-number : INS-483 Additive : Stearyl tartrate

**Problematic issues**: Produced from the reaction between steryl alcohol and

tartaric acid in which the alcohol used probably synthesized by ethylene or stearic acid, in which the stearic acid probably derived from Haram animals.

**Solutions**: The stearic acid must be derived from Halal animal or

plant-made instead.

**E-number** : E-491 **INS-number** : INS-491

**Additive** : Sorbitan monostearate

**Problematic issues**: Sorbitan esters are produced by the reaction between

stearic acid and hexitol anhydride (deriving fromsorbital), in which the sorbital probably produced from Haram sources of enzyme and stearic acid also probably

derived from Haram animals.

**Solutions** : Use sorbital produced from enzyme that derived from

Halal culture medium or Halal sources. Stearic acid must be from Halal animal or from plant-made sources.

**E-number** : E-492 **INS-number** : INS-492

**Additive** : Sorbitan tristearate

**Problematic issues**: Sorbitan esters are produced by the reaction between

stearic acid and hexitol anhydride (deriving from sorbital), in which the sorbital probably produced from Haram enzyme and stearic acid probably derived from

Haram animals.

**Solutions**: Use sorbital produced from enzyme that derived from

Halal culture medium or Halal sources. Stearic acid must be from Halal animal or from plant-made sources.

**E-number** : E-493 **INS-number** : INS-493

**Additive** : Sorbitan monolaurate

**Problematic issues**: Sorbitan esters are produced by the reaction between

lauric acid and hexitol anhydride derived from sorbital -

probably derived from Haram animals.

**Solutions** : Use sorbital produced from enzyme that derived from

Halal culture medium or Halal sources.

**E-number** : E-494 **INS-number** : INS-494

**Additive** : Sorbitan monooleate

**Problematic issues**: Sorbitan esters are produced by the reaction between

oleic acid and hexitol anhydride derived from sorbital - probably produced from Harom enzyme.Oleic acid

probably derived from Haram animals.

**Solutions** : Use sorbital produced from enzyme that derived from

Halal culture medium or Halal sources.

**E-number** : E-495 **INS-number** : INS-495

**Additive** : Sorbitan monopalmitate

 $\begin{picture}(20,20) \put(0,0){\line(1,0){10}} \put(0,$ 

palmitic acid and hexitol anhydride derived from sorbital

- probably produced from Haram enzyme.

**Solutions**: Use sorbital produced from enzyme that derived from

Halal culture medium or Halal sources. Oleic acid must be from Halal animal or from plant-made sources. Acids and salts used for special purposes: Buffers, emulsifying salts, sequestrants, stabilizers, raising agents and anticaking agents

## Compounds Used as Anticaking Agents, and for Other Uses

**E-number** : E-542 **INS-number** : INS-542

**Additive** : Edible bone phosphate (bone meal)

Problematic issues : Produced from animal bones - probably Haram animals.Solutions : Animal bones used must be derived from Halal animals.

## Other Compounds

**E-number** : E-577 **INS-number** : INS-577

**Additive** : Potassium gluconate

Problematic issues: Salts of gluconic acid and potassium hydroxide

substance, in which the gluconic acid derived from fermentation probably using Haram enzyme or culture

medium.

**Solutions**: Gluconic acid from fermentation using Halal enzyme

and culture medium.

**E-number** : E-578 **INS-number** : INS-578

**Additive** : Calcium gluconate

**Problematic issues**: Salts of gluconic acid and calcium hydroxide, in which

the gluconic acid derived from fermentation probably

using Haram enzyme and culture medium.

**Solutions**: Gluconic acid from fermentation using Halal enzyme

and culture medium.

**E-number** : E-579 **INS-number** : INS-579

**Additive** : Ferrous gluconate

Problematic issues: Salts of gluconic acid and ferrous carbonate. It can be

obtained from the reaction between calcium gluconate and ferrous sulphate , in which the gluconic acid from fermentation probably using Haram enzyme or culture

medium.

**Solutions**: Gluconic acid from fermentation using Halal enzyme

and culture medium.

E-number : E-1520 INS-number : INS-1520 Additive : Propylene glycol

**Problematic issues :** Produced from glycerol or yeast-fermentation process

which possibly from Haram raw-material, Haam enzyme production and Haram ingredients in culture medium

preparation.

**Solutions** : Glycerol used must be derived from Halal animals or

plant-made sources. In case of using enzyme or fermentation, it must be Halal enzyme cultured in

medium prepared by Halal ingredients.

## Compounds Used as Flavor Enhancers

**E-number** : E-622 **INS-number** : INS-622

**Additive** : Monopotassium glutamate

**Problematic issues**: Salts of glutamic acid which is generally and naturally

found in tomatos and seaweed however industrially produced from fermentation of tapioca flour which probably using Haram enzyme or culture medium.

**Solutions** : Glutamic acid from fermentation using Halal enzyme

and culture medium.

**E-number** : E-623 **INS-number** : INS-623

**Additive** : Calcium diglutamate

**Problematic issues**: Salts of glutamic acid which is generally and naturally

found in tomatos and seaweed however industrially produced from fermentation of tapioca flour which probably using Haram enzyme and culture medium.

**Solutions** : Glutamic acid from fermentation using Halal enzyme

and culture medium.

**E-number** : E-624 **INS-number** : INS-624

**Additive** : Ammonium glutamate

**Problematic issues**: Salts of glutamic acid which is generally and naturally

found e.g ripened cheese, breast milk, tomatoes and sardines however industrially produced from molasses by bacterial fermentation. Also prepared from vegetable protein, such as gluten, or soy protein, probably using

Harom enzyme and culture medium.

**Solutions** : Glutamic acid from fermentation using Halal enzyme

and culture medium.

**E-number** : E-625 **INS-number** : INS-625

**Additive** : Magnesium diglutamate

**Problematic issues**: Produced from fermentation with probably using Haram

enzyme and culture medium.

**Solutions** : Glutamic acid from fermentation using Halal enzyme

and culture medium.

E-number : E-630 INS-number : INS-630 Additive : Inosinic acid

**Problematic issues :** A natural acid, that is mainly present in animals.

Commercially prepared from meat or fish (sardines). May also be produced by bacterial fermentation of

sugars.

**Solutions**: Use the types that produced from Halal animal-fat instead

or produced by bacterial fermentation of sugars.

**E-number** : E-632 **INS-number** : INS-632

**Additive** : Dipotassim inosinate

**Problematic issues**: Sodium salt of inosinic acid (E630), a natural acid, that

is mainly present in animals. Commercially prepared from meat or fish (sardines). May also be produced by

bacterial fermentation of sugars.

**Solutions** : Use the types that produced from Halal animal-fat instead

or produced by bacterial fermentation of sugars.

**E-number** : E-633 **INS-number** : INS-633

**Additive** : Calcium inosinate

**Problematic issues**: Potassium salt of inosinic acid (E630), a natural acid,

that is mainly present in animals. Commercially prepared from meat or fish (sardines). It may also be produced

by bacterial fermentation of sugars.

**Solutions** : Use the types that produced from Halal animal-fat instead

or produced by bacterial fermentation of sugars.

**E-number** : E-634 **INS-number** : INS-634

**Additive** : Calcium 5'-ribonucleotides

**Problematic issues**: Calcium 5'-ribonucleotides, derived from the reaction

between disodium 5'-ribonucleotides and calcium chloride, in which the ribonucleotides from enzyme-fermentation by probably using Haram culture medium.

**Solutions** : Ribonucleotides from fermentation using Halal enzyme

and culture medium.

## Compound Used as Glazing Agents

E-number : E-904 INS-number : INS-904 Additive : Shellac

 $\begin{tabular}{ll} \textbf{Problematic issues} & : & \textbf{Shellac is scraped from the bark of the trees where the} \\ \end{tabular}$ 

female lac bug, Kerria lacca (Order Hemiptera, Family Kerriidae), also known as Laccifer lacca, secretes it to form a tunnel-like tube as it traverses the branches of the tree. Though these tunnels are sometimes referred to as "cocoons", they are not literally cocoons in the entomological sense. This insect is in the same Superfamily as the insect from which cochineal is obtained. The insects suck the sap of the tree and excrete "sticklac" almost constantly. The least coloured shellac is produced when the insects feed on the kusum tree

(Schleichera).

**Solutions**: Follow the Fatwa Committee of the National Islamic

Council.

## Miscellaneous Compounds

E-number : E-1105 INS-number : INS-1105 Additive : Lysozyme

**Problematic issues**: Lysozyme is normally obtained from egg white, however

it can also found in blood.

**Solutions**: Use lysozyme extracted from egg white.



## Fatwa of the luminaries sheikhul islam of Thailand in 23 november 2016 suggest to concern about food safety.

**E-number** : E-527 **INS-number** : INS-527

**Additive** : Ammonium hydroxide

**Problematic issues :** E-527 has been restricted to use in Drug industyies

according to the Notification of Ministry of Public Health,

Thailand No.9 2529 (1986).

**Solutions** : It can be used in food industries as acid-base regulator.

The amount of use should be regulated as it effect to

health by inhalation, skin and eye contact.

**E-number** : E-924 **INS-number** : INS-924

**Additive** : Potassium bromate

**Problematic issues :** E-924 is classified into 2B carcinogen as reported in

International Agency for Research on Cancer (IARC). It has been banned to use in food in the European Union, Argentina, Brazil, Canada, Nigeria, South Korea, Peru and some other countries. It was also banned in Sri Lanka in 2001, China in 2005 and India in 20 June 2016.

**Solutions** : Avoid to use. User may select another ingredient under

the same category which is Halal certified.

**E-number** : E-952 **INS-number** : INS-952

**Additive** : Cyclamic acid and its sodium and calcium salts

**Problematic issues**: E-952 has been baned in the United States. It is also

known to cause migraines and adverse skin conditions,

such as pruritis.

**Solutions** : Avoid to use. User may select another ingredient under

the same category which is Halal certified.

**E-number** : E-954 **INS-number** : INS-954

**Additive** : Saccharine and its sodium, potassium, and calcium

salts

**Problematic issues :** E-954 can not use for sweetener in food. Based on

Notification of Ministry of Public Health, Thailand No.84

2527 (1984).

**Solutions** : Avoid to use. User may select another ingredient under

the same category which is Halal certified.



Bender, D.A and Bender, A.E. Benders' dictionary of nutrition and food technology. 7th ed. Cambridge: Woodhead publishing; 1999.

Merck & Co., Inc. The merck index: an encyclopedia of chemicals, drugs, and biologicals. 15th ed. cambridge: the royal society of chemistry; 2013

Mian N. Riaz and Muhammad M. Chaudry. Halal food production. United States of America: CRC press; 2003.

Nordic Council of Ministers. Food additives in Europe 2000. Copenhagen: the Nordic Environmental Labelling; 2002.

The verdict of Sheikul Islam's Majlis Ulama of Thailand; in press





## Appendix A: E numbers Ingredients List

ımber	E-Number	INS-Number	Status	Page
1	E-100	INS-100	Halal	8
2	E-101	INS-101	Certified	18
3	E-102	INS-102	Certified	19
4	E-104	INS-104	Certified	19
5	E-107	INS-107	Certified	19
6	E-110	INS-110	Certified	20
7	E-120	INS-120	Mashbooh	98
8	E-122	INS-122	Certified	21
9	E-123	INS-123	Certified	21
10	E-124	INS-124	Certified	21
11	E-127	INS-127	Certified	22
12	E-128	INS-128	Certified	22
13	E-129	INS-129	Certified	22
14	E-131	INS-131	Halal	8
15	E-132	INS-132	Certified	23
16	E-133	INS-133	Certified	23
17	E-140	INS-140	Certified	24
18	E-141	INS-141	Certified	24
19	E-142	INS-142	Certified	24
20	E-150a	INS-150a	Halal	8
21	E-150b	INS-150b	Halal	8
22	E-150c	INS-150c	Halal	8
23	E-150d	INS-150d	Halal	8
24	E-151	INS-151	Certified	25
25	E-153	INS-153	Certified	25
26	E-154	INS-154	Certified	26
27	E-155	INS-155	Certified	26
28	E-160a	INS-160a	Certified	27
29	E-160b	INS-160b	Certified	28
30	E-160c	INS-160c	Certified	28

Number	E-Number	INS-Number	Status	Page
61	E-217	INS-217	Halal	9
62	E-218	INS-218	Halal	9
63	E-219	INS-219	Halal	9
64	E-220	INS-220	Halal	9
65	E-221	INS-221	Halal	9
66	E-222	INS-222	Halal	9
67	E-223	INS-223	Halal	9
68	E-224	INS-224	Halal	9
69	E-225	INS-225	Halal	9
70	E-226	INS-226	Halal	9
71	E-227	INS-227	Halal	9
72	E-228	INS-228	Halal	9
73	E-230	INS-230	Halal	10
74	E-231	INS-231	Halal	10
75	E-232	INS-232	Halal	10
76	E-233	INS-233	Halal	10
77	E-234	INS-234	Certified	35
78	E-235	INS-235	Certified	35
79	E-239	INS-239	Halal	10
80	E-242	INS-242	Halal	10
81	E-249	INS-249	Halal	10
82	E-250	INS-250	Certified	36
83	E-251	INS-251	Halal	10
84	E-252	INS-252	Certified	36
85	E-260	INS-260	Halal	10
86	E-261	INS-261	Certified	37
87	E-262	INS-262	Certified	37
88	E-263	INS-263	Certified	38
89	E-270	INS-270	Halal	10
90	E-280	INS-280	Mashbooh	99

Number	E-Number	INS-Number	Status	Page
91	E-281	INS-281	Certified	38
92	E-282	INS-282	Certified	39
93	E-283	INS-283	Mashbooh	99
94	E-284	INS-284	Halal	10
95	E-285	INS-285	Halal	10
96	E-290	INS-290	Halal	10
97	E-296	INS-296	Certified	40
98	E-297	INS-297	Certified	41
99	E-300	INS-300	Certified	42
100	E-301	INS-301	Certified	43
101	E-302	INS-302	Certified	44
102	E-304	INS-304	Certified	44
103	E-306	INS-306	Certified	45
104	E-307	INS-307	Certified	45
105	E-308	INS-308	Certified	45
106	E-309	INS-309	Certified	45
107	E-310	INS-310	Halal	11
108	E-311	INS-311	Certified	46
109	E-312	INS-312	Halal	11
110	E-315	INS-315	Certified	44
111	E-316	INS-316	Certified	44
112	E-320	INS-320	Certified	46
113	E-321	INS-321	Certified	46
114	E-322	INS-322	Certified	47
115	E-325	INS-325	Certified	48
116	E-326	INS-326	Certified	48
117	E-327	INS-327	Certified	49
118	E-330	INS-330	Halal	11
119	E-331	INS-331	Certified	50
120	E-332	INS-332	Certified	52

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121	E-333	INS-333	Certified	53
122	E-334	INS-334	Certified	54
123	E-335	INS-335	Halal	11
124	E-336	INS-336	Halal	11
125	E-337	INS-337	Halal	11
126	E-338	INS-338	Halal	11
127	E-339	INS-339	Certified	55
128	E-340	INS-340	Certified	55
129	E-341	INS-341	Certified	56
130	E-350	INS-350	Mashbooh	100
131	E-351	INS-351	Mashbooh	100
132	E-352	INS-352	Mashbooh	100
133	E-353	INS-353	Halal	12
134	E-354	INS-354	Halal	12
135	E-355	INS-355	Certified	57
136	E-356	INS-356	Halal	12
137	E-357	INS-357	Halal	12
138	E-363	INS-363	Certified	57
139	E-370	INS-370	Certified	57
140	E-375	INS-375	Halal	12
141	E-380	INS-380	Halal	12
142	E-381	INS-381	Mashbooh	100
143	E-385	INS-385	Halal	12
144	E-400	INS-400	Halal	12
145	E-401	INS-401	Certified	58
146	E-402	INS-402	Certified	59
147	E-403	INS-403	Halal	12
148	E-404	INS-404	Halal	12
149	E-405	INS-405	Halal	12
150	E-406	INS-406	Halal	12

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151	E-407	INS-407	Certified	60
152	E-410	INS-410	Certified	60
153	E-412	INS-412	Certified	61
154	E-413	INS-413	Halal	12
155	E-414	INS-414	Halal	12
156	E-415	INS-415	Certified	62
157	E-416	INS-416	Halal	12
158	E-417	INS-417	Halal	12
159	E-418	INS-418	Halal	12
160	E-420	INS-420	Certified	86
161	E-421	INS-421	Certified	87
162	E-422	INS-422	Certified	88
163	E-430	INS-430	Mashbooh	101
164	E-431	INS-431	Mashbooh	101
165	E-432	INS-432	Certified	65
166	E-433	INS-433	Certified	65
167	E-434	INS-434	Mashbooh	101
168	E-435	INS-435	Certified	65
169	E-436	INS-436	Mashbooh	102
170	E-440	INS-440	Certified	65
171	E-442	INS-442	Mashbooh	102
172	E-444	INS-444	Halal	12
173	E-445	INS-445	Halal	12
174	E-450	INS-450	Halal	11
175	E-451	INS-451	Halal	11
176	E-452	INS-452	Halal	11
177	E-460	INS-460	Halal	13
178	E-461	INS-461	Halal	13
179	E-463	INS-463	Halal	13
180	E-464	INS-464	Halal	13

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181	E-465	INS-465	Halal	13
182	E-466	INS-466	Halal	13
183	E-470a	INS-470a	Mashbooh	103
184	E-470b	INS-470b	Mashbooh	103
185	E-471	INS-471	Certified	67
186	E-472a	INS-472a	Certified	67
187	E-472b	INS-472b	Certified	67
188	E-472c	INS-472c	Certified	68
189	E-472d	INS-472d	Certified	68
190	E-472e	INS-472e	Certified	68
191	E-472f	INS-472f	Mashbooh	103
192	E-473	INS-473	Certified	68
193	E-474	INS-474	Mashbooh	104
194	E-475	INS-475	Certified	69
195	E-476	INS-476	Mashbooh	104
196	E-477	INS-477	Mashbooh	104
197	E-478	INS-478	Mashbooh	105
198	E-479b	INS-479b	Mashbooh	105
199	E-481	INS-481	Certified	69
200	E-482	INS-482	Certified	69
201	E-483	INS-483	Mashbooh	106
202	E-491	INS-491	Mashbooh	106
203	E-492	INS-492	Mashbooh	106
204	E-493	INS-493	Mashbooh	106
205	E-494	INS-494	Mashbooh	107
206	E-495	INS-495	Mashbooh	107
207	E-500	INS-500	Certified	70
208	E-501	INS-501	Certified	70
209	E-503	INS-503	Halal	13
210	E-504	INS-504	Certified	70

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241	E-545	INS-545	Certified	75	271	E-6
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243	E-552	INS-552	Halal	14	273	E-6
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247	E-555	INS-555	Halal	14	277	E-6
248	E-556	INS-556	Halal	14	278	E-6
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250	E-559	INS-559	Halal	14	280	E-9
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252	E-572	INS-572	Certified	76	282	E-9
253	E-574	INS-574	Halal	14	283	E-9
254	E-575	INS-575	Certified	77	284	E-9
255	E-576	INS-576	Certified	77	285	E-9
256	E-577	INS-577	Mashbooh	108	286	E-9
257	E-578	INS-578	Mashbooh	108	287	E-9
258	E-579	INS-579	Mashbooh	109	288	E-9
259	E-585	INS-585	Halal	14	289	E-9
260	E-620	INS-620	Certified	78	290	E-9
261	E-621	INS-621	Certified	78	291	E-9
262	E-622	INS-622	Mashbooh	110	292	E-9
263	E-623	INS-623	Mashbooh	110	293	E-9
264	E-624	INS-624	Mashbooh	110	294	E-9
265	E-625	INS-625	Mashbooh	111	295	E-9
266	E-626	INS-626	Halal	15	296	E-9
267	E-627	INS-627	Certified	80	297	E-9
268	E-628	INS-628	Halal	15	298	E-9
269	E-629	INS-629	Halal	15	399	E-9
270	E-630	INS-630	Mashbooh	111	300	E-9

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271	E-631	INS-631	Certified	80
272	E-632	INS-632	Mashbooh	111
273	E-633	INS-633	Mashbooh	112
274	E-634	INS-634	Mashbooh	112
275	E-635	INS-635	Certified	80
276	E-636	INS-636	Certified	80
277	E-637	INS-637	Certified	81
278	E-640	INS-640	Certified	81
279	E-900	INS-900	Halal	15
280	E-901	INS-901	Halal	15
281	E-902	INS-902	Halal	15
282	E-903	INS-903	Halal	84
283	E-904	INS-904	Mashbooh	113
284	E-912	INS-912	Halal	15
285	E-920	INS-920	Certified	85
286	E-924	INS-924	Mashbooh	15
287	E-925	INS-925	Halal	15
288	E-926	INS-926	Halal	15
289	E-927a	INS-927a	Halal	16
290	E-927b	INS-927b	Halal	16
291	E-938	INS-938	Halal	15
292	E-939	INS-939	Halal	15
293	E-941	INS-941	Halal	15
294	E-942	INS-942	Halal	15
295	E-948	INS-948	Halal	15
296	E-950	INS-950	Certified	89
297	E-951	INS-951	Certified	90
298	E-952	INS-952	Mashbooh	16
399	E-953	INS-953	Certified	91
300	E-954	INS-954	Mashbooh	16

Number	E-Number	INS-Number	Status	Page
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302	E-959	INS-959	Halal	16
303	E-965	INS-965	Certified	92
304	E-966	INS-966	Certified	92
305	E-967	INS-967	Certified	93
306	E-999	INS-999	Halal	16
307	E-1105	INS-1105	Mashbooh	16
308	E-1200	INS-1200	Certified	94
309	E-1201	INS-1201	Halal	16
310	E-1202	INS-1202	Halal	16
311	E-1404	INS-1404	Halal	16
312	E-1410	INS-1410	Halal	16
313	E-1412	INS-1412	Halal	16
314	E-1413	INS-1413	Halal	16
315	E-1414	INS-1414	Halal	16
316	E-1420	INS-1420	Halal	16
317	E-1422	INS-1422	Halal	16
318	E-1440	INS-1440	Halal	16
319	E-1442	INS-1442	Halal	16
320	E-1450	INS-1450	Halal	16
321	E-1505	INS-1505	Halal	16
322	E-1518	INS-1518	Certified	95
323	E-1520	INS-1520	Mashbooh	109



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21. Mr. S	utham Boonmalert	Vice Secretary of Islamic scholar committee of Sheikhul Islam

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