



Accreditation No. 1031/47

Analysis / Test Report

Report to : Northern Food Complex Co., Ltd.
99/3, Chiangrai - Dongmada Rd., Maekorn,
Muang, Chiangrai Thailand 57000
Attn : Prakaiwan Thepmanee
Phone : 0-5367-3985
Fax : 0-5372-6998
Email : prakaiwan4213@hotmail.com
Cc.Email : maimoo_019@hotmail.com

Project Name :
Location :
P/O : LG

Lot ID: 1654154
Date Received : Sep 02, 2016
Date Reported : Sep 20, 2016
Report Number : 771125-1

Page 3 of 4

Reference Number 1654154-2
Sampling Date Sep 02, 2016
Sample Description FAIRTRADE ORGANIC TAMARI SOY SAUCE
Condition of Sample contained in one plastic bottle
Date of Analysis Sep 03, 2016

Analyte	Unit	LOD	Result	Method
Food Testing				
Ash	g/100g	-	15.1	In-house method STM No.03-114 based on AOAC (2012), 923.03
Calories from Fat	kcal/100g	-	0	Method of Analysis for Nutrition Labeling (1993) p.106
Total Carbohydrate (Include Dietary Fiber)	g/100g	-	7.84	Method of Analysis for Nutrition Labeling (1993) p.106
Calories	kcal/100g	-	68.4	Method of Analysis for Nutrition Labeling (1993) p.106
Dietary Fiber (Total)	g/100g	-	0.70	In-house method STM No. 03-008 based on AOAC (2012), 985.29
Fat	g/100g	-	0	Based on AOAC (2012), 922.06
Moisture	g/100g	-	67.8	In-house method STM No.03-115 based on AOAC (2012), 925.23
Protein (Nx6.25)	g/100g	0.1	9.26	In-house method STM No. 03-017 based on AOAC (2012), 981.10
Total Sugars	g/100g	0.22	Not Detected	In-house method STM No. 03-025 based on Journal of AOAC International, Vol.75, No.3, 1992, p.443-464
Vitamin A (Retinol)	ug/100g	0.75	Not Detected	In-house method STM No.03-021 based on Journal of Liquid Chromatography Analysis of Food and Beverage, Vol.2,1979,p.477-495
Vitamin B1	mg/100g	0.003	0.04	In-house method STM No.03-022 based on Food Chemistry, Vol. 56, and No. 1, 1996, P. 81-86
Vitamin B2	mg/100g	0.003	0.07	In-house method STM No.03-022 based on Food Chemistry, Vol. 56, and No. 1, 1996, P. 81-86
Vitamin D	ug/100g	0.05	Not Detected	In-house method STM No. 03-120 based on AOAC (2012), 995.05
Metals Testing				
Calcium	mg/100g	0.30	67.4	Based on AOAC (2012), 984.27

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sumalee Chanta
Assistant Manager



Accreditation No. 1031/47

Analysis / Test Report

Report to : Northern Food Complex Co., Ltd.
99/3, Chiangrai - Dongmada Rd., MaeKorn,
Muang, Chiangrai Thailand 57000
Attn : Prakaiwan Thepmanee
Phone : 0-5367-3985
Fax : 0-5372-6998
Email : prakaiwan4213@hotmail.com
Cc.Email : maimoo_019@hotmail.com

Project Name :
Location :
P/O : LG

Lot ID: 1654154
Date Received : Sep 02, 2016
Date Reported : Sep 20, 2016
Report Number : 771125-1

Page 4 of 4

Reference Number 1654154-2
Sampling Date Sep 02, 2016
Sample Description FAIRTRADE ORGANIC TAMARI SOY SAUCE
Condition of Sample contained in one plastic bottle
Date of Analysis Sep 03, 2016

Analyte	Unit	LOD	Result	Method
Metals Testing				
Iron	mg/100g	0.005	1.98	Based on AOAC (2012), 984.27
Potassium	mg/100g	-	751	Based on AOAC (2012), 984.27
Sodium	mg/100g	0.30	6731	Based on AOAC (2012), 984.27

Remark :

1. LOD : Limit of Detection
2. "<" : Lower than LOQ (Limit of Quantitation)
3. Analyte(s) marked * is/are not included in scope of Accreditation.

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

Approved by

Sumalee Chanta
Assistant Manager



Analysis / Test Report

NUTRITION LABELING (THAI,RDI)

Accreditation No. 1031/47

For : Northern Food Complex Co., Ltd.
 Address : 99/3, Chiangrai - Dongmada Rd., MaeKorn, Muang, Chiangrai Thailand 57000
 Received Date : 02/09/2016
 Sample : FAIRTRADE ORGANIC TAMARI SOY SAUCE
 NET VOLUME 200 ลิตร (200,000 มล.)
 SERVING SIZE 1 ช้อนโต๊ะ (15 มล.)
 SERVINGS PER CONTAINER ประมาณ 13,333

Lot ID : 1654154-2
 Report Number : 771125-1(2)
 Date Reported : Oct 01, 2016
 Page 1 of 4

Nutrient	Per 100mL	Per serving 1 ช้อนโต๊ะ (15 มล.)	% Daily value
Calories (kilocalories)	80.4	10	
Calories from Fat (kilocalories)	0	0	
Total Fat (g)	0	0	0
Saturated fat (g)	-	-	-
Cholesterol (mg)	-	-	-
Protein (Nx6.25) (g)	10.9	2	
Total Carbohydrate, Include DF (g)	9.20	1	0
Dietary Fiber (g)	0.82	0	0
Sugars (g)	Not Detected**	0	
Sodium (mg)	7924	1190	50
Vitamin A (ug RE)	Not Detected**	(0)	0
Vitamin B 1 (mg)	0.05	(0.01)	0
Vitamin B 2 (mg)	0.08	(0.01)	0
Calcium (mg)	79.4	(11.9)	0
Iron (mg)	2.33	(0.35)	2
Ash (g)	17.8		
Moisture (g)	62.1		

Test Date : 03/09/2016

Completed Date : 20/09/2016

Technical Management :

J. Sri
 (Jutharat Sriprasert)

S. Chanta

(Sumalee Chanta)

Signed for and on behalf of
 ALS Laboratory Group (Thailand) Co., Ltd.

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.



Analysis / Test Report

NUTRITION LABELING (THAI,RDI)

Accreditation No. 1031/47

For : Northern Food Complex Co., Ltd.
 Address : 99/3, Chiangrai - Dongmada Rd., MaeKorn, Muang, Chiangrai Thailand 57000
 Received Date : 02/09/2016
 Sample : FAIRTRADE ORGANIC TAMARI SOY SAUCE
 NET VOLUME 200 ลิตร (200,000 มล.)
 SERVING SIZE 1 ช้อนโต๊ะ (15 มล.)
 SERVINGS PER CONTAINER ประมาณ 13,333

Lot ID : 1654154-2
 Report Number : 771125-1(2)
 Date Reported : Oct 01, 2016
 Page 2 of 4

Nutrient	LOD	Reference Method
Calories (kilocalories)	- kcal/100mL	Method of Analysis for Nutrition Labeling (1993) p.106
Calories from Fat (kilocalories)	- kcal/100mL	Method of Analysis for Nutrition Labeling (1993) p.106
Total Fat (g)	- g/100mL	Based on AOAC (2012) , 922.06
Saturated fat (g)	- g/100mL	-
Cholesterol (mg)	- mg/100mL	-
Protein (Nx6.25) (g)	0.1 g/100mL	In-house method STM No. 03-017 based on AOAC (2012) , 981.10
Total Carbohydrate, Include DF (g)	- g/100mL	Method of Analysis for Nutrition Labeling (1993) p.106
Dietary Fiber (g)	- g/100mL	In-house method STM No. 03-008 based on AOAC (2012) , 985.29
Sugars (g)	- g/100mL	In-house method STM No. 03-025 based on Journal of AOAC International , Vol.75, No.3, 1992, p.443-464
Sodium (mg)	0.30 mg/100mL	Based on AOAC (2012) , 984.27
Vitamin A (ug RE)	0.75 ug/100mL	In-house method STM No.03-021 based on Journal of Liquid Chromatography Analysis of Food and Beverage, Vol.2,1979,p.477-495
Vitamin B 1 (mg)	0.003 mg/100mL	In-house method STM No.03-022 based on Food Chemistry, Vol. 56, and No. 1, 1996, P. 81-86
Vitamin B 2 (mg)	0.003 mg/100mL	In-house method STM No.03-022 based on Food Chemistry, Vol. 56, and No. 1, 1996, P. 81-86
Calcium (mg)	0.30 mg/100mL	Based on AOAC (2012) , 984.27
Iron (mg)	0.005 mg/100mL	Based on AOAC (2012) , 984.27
Ash (g)	- g/100mL	In-house method STM No.03-114 based on AOAC (2012) , 923.03
Moisture (g)	- g/100mL	In-house method STM No.03-115 based on AOAC (2012) , 925.23

Remark : * Analyte(s) marked * is/are not included in scope of Accreditation

** Not Detected at a lower limit of detection

Not Significant source of Saturated Fat and Cholesterol

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.



Analysis / Test Report
NUTRITION LABELING (THAI,RDI)

Accreditation No. 1031/47

Nutrition Labeling for

Sample : FAIRTRADE ORGANIC TAMARI SOY SAUCE

Lot ID : 1654154-2

Report Number : 771125-1(2)

Date Reported : Oct 01, 2016

Page 3 of 4

ข้อมูลโภชนาการ			
หนึ่งหน่วยบริโภค : 1 ช้อนโต๊ะ (15 มล.)			
จำนวนหน่วยบริโภคต่อถัง : ประมาณ 13.333			
คุณค่าทางโภชนาการต่อหนึ่งหน่วยบริโภค			
พลังงานทั้งหมด 10 กิโลแคลอรี (พลังงานจากไขมัน 0 กิโลแคลอรี)			
ร้อยละของปริมาณที่แนะนำให้บริโภคต่อวัน *			
ไขมันทั้งหมด 0 ก.			0%
ไขมันอิ่มตัว 0 ก.			0%
โคเลสเตอรอล 0 มก.			0%
โปรตีน 2 ก.			
คาร์โบไฮเดรตทั้งหมด 1 ก.			0%
ใยอาหาร 0 ก.			0%
น้ำตาล 0 ก.			
โซเดียม 1190 มก.			50%
ร้อยละของปริมาณที่แนะนำให้บริโภคต่อวัน *			
วิตามินเอ 0%		วิตามินบี 1 0%	
วิตามินบี 2 0%		แคลเซียม 0%	
เหล็ก 2%			
* ร้อยละของปริมาณสารอาหารที่แนะนำให้บริโภคต่อวันสำหรับคนไทยอายุตั้งแต่ 6 ปีขึ้นไป (Thai RDI) โดยคิดจากความต้องการพลังงานวันละ 2,000 กิโลแคลอรี			
ความต้องการพลังงานของแต่ละบุคคลแตกต่างกัน ผู้ที่ต้องการพลังงานวันละ 2,000 กิโลแคลอรี ควรได้รับสารอาหารต่าง ๆ ดังนี้			
ไขมันทั้งหมด	น้อยกว่า	65	ก.
ไขมันอิ่มตัว	น้อยกว่า	20	ก.
โคเลสเตอรอล	น้อยกว่า	300	มก.
คาร์โบไฮเดรตทั้งหมด		300	ก.
ใยอาหาร		25	ก.
โซเดียม	น้อยกว่า	2,400	มก.
พลังงาน (กิโลแคลอรี) ต่อกรัม : ไขมัน = 9 ; โปรตีน = 4 ; คาร์โบไฮเดรต = 4			

Sam

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.



Analysis / Test Report
NUTRITION LABELING (THAI,RDI)

Accreditation No. 1031/47

Nutrition Labeling for

Sample : FAIRTRADE ORGANIC TAMARI SOY SAUCE

Lot ID : 1654154-2

Report Number : 771125-1(2)

Date Reported : Oct 01, 2016

Page 4 of 4

ข้อมูลโภชนาการ	
หนึ่งหน่วยบริโภค : 1 ช้อนโต๊ะ (15 มล.)	
จำนวนหน่วยบริโภคต่อถัง : ประมาณ 13,333	
คุณค่าทางโภชนาการต่อหนึ่งหน่วยบริโภค	
พลังงานทั้งหมด 10 กิโลแคลอรี	
ร้อยละของปริมาณที่แนะนำให้รับประทาน *	
ไขมันทั้งหมด 0 ก.	0%
โปรตีน 2 ก.	
คาร์โบไฮเดรตทั้งหมด 1 ก.	0%
น้ำตาล 0 ก.	
โซเดียม 1190 มก.	50%
ร้อยละของปริมาณที่แนะนำให้รับประทาน *	
เกลือ	2%
* ร้อยละของปริมาณสารอาหารที่แนะนำให้บริโภคต่อวันสำหรับคนไทยอายุตั้งแต่ 6 ปีขึ้นไป (Thai RDI) โดยคิดจากความต้องการพลังงานวันละ 2,000 กิโลแคลอรี	

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.



Analysis / Test Report

NUTRITION LABELING (EU)

For : Northern Food Complex Co., Ltd. Lot ID : 1654154-2
Address : 99/3, Chiangrai - Dongmada Rd., Maekorn, Muang, Chiangrai Thailand Report Number : 771125-1(4)
57000 Date Reported : Oct 01, 2016
Received Date : 02/09/2016 Page 1 of 2
Sample : FAIRTRADE ORGANIC TAMARI SOY SAUCE
Net Volume : 200 Liter (200,000 mL)

NUTRITION INFORMATION

	Per 100mL
Energy	334 kJ / 79 kcal
Fat	0 g
of which	
----Saturates,	0 g
Carbohydrate	8.4 g
of which	
----Sugars,	0 g
Fibre	0.8 g
Protein	11 g
Salt	19.8 g

Test Date : 03/09/2016

Completed Date : 20/09/2016

Technical Management :

J. Sri

(Jutharat Sriprasert)

S. Chanta

(Sumalee Chanta)

Signed for and on behalf of
ALS Laboratory Group (Thailand) Co., Ltd.

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.



Analysis / Test Report

NUTRITION LABELING (EU)

For : Northern Food Complex Co., Ltd. Lot ID : 1654154-2
Address : 99/3, Chiangrai - Dongmada Rd., Maekorn, Muang, Chiangrai Thailand Report Number : 771125-1(4)
57000 Date Reported : Oct 01, 2016
Received Date : 02/09/2016 Page 2 of 2
Sample : FAIRTRADE ORGANIC TAMARI SOY SAUCE
Net Volume : 200 Liter (200,000 mL)

Nutrient	Reference Method
Energy	Regulation (EU) No 1169/2011
Fat	Based on AOAC (2012) , 922.06
Saturates	-
Carbohydrate	Regulation (EU) No 1169/2011
Sugars	In-house method STM No. 03-025 based on Journal of AOAC International , Vol.75, No.3, 1992, p.443-464
Fibre	In-house method STM No. 03-008 based on AOAC (2012) , 985.29
Protein	In-house method STM No. 03-017 based on AOAC (2012) , 981.10
Salt	Based on AOAC (2012) , 984.27

Remark : Not Significant source of Saturates

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.



Analysis / Test Report

NUTRITION LABELING (USFDA)

Accreditation No. 1031/47

For : Northern Food Complex Co., Ltd.
Address : 99/3, Chiangrai - Dongmada Rd., Mackorn, Muang, Chiangrai Thailand 57000
Received Date : 02/09/2016
Sample : FAIRTRADE ORGANIC TAMARI SOY SAUCE
NET VOLUME 200 Liter (200,000 mL)
SERVING SIZE 1 tbsp (15 mL)
SERVINGS PER CONTAINER About 13,333

Lot ID : 1654154-2
Report Number : 771125-1(6)
Date Reported : Oct 01, 2016
Page 1 of 4

Nutrient	Per 100mL	Per serving 1 tbsp (15 mL)	% Daily value
Calories (kilocalories)	80.4	10	
Total Fat (g)	0	0	0
Saturated Fat (g)	-	-	-
Trans Fat (g)	-	-	-
Cholesterol (mg)	-	-	-
Sodium (mg)	7924	1190	52
Total Carbohydrate (g)	9.20	1	0
Dietary Fiber (g)	0.82	0	0
Total Sugars (g)	Not Detected**	0	
Added Sugars (g)	0	0	0
Protein (Nx6.25) (g)	10.9	2	
Vitamin D (mcg)	Not Detected**	0	0
Calcium (mg)	79.4	12	0
Iron (mg)	2.33	0.4	2
Potassium (mg)	884	133	2
Ash (g)	17.8		
Moisture (g)	62.1		

Test Date : 03/09/2016

Completed Date : 20/09/2016

Technical Management :


(Jutharat Sriprasert)


(Sumalee Chanta)
Signed for and on behalf of
ALS Laboratory Group (Thailand) Co., Ltd

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.



Analysis / Test Report NUTRITION LABELING (USFDA)

Accreditation No. 1031/47

For : Northern Food Complex Co., Ltd.
Address : 99/3, Chiangrai - Dongmada Rd., Maekorn, Muang, Chiangrai Thailand 57000
Received Date : 02/09/2016
Sample : FAIRTRADE ORGANIC TAMARI SOY SAUCE
NET VOLUME 200 Liter (200,000 mL)
SERVING SIZE 1 tbsp (15 mL)
SERVINGS PER CONTAINER About 13,333

Lot ID : 1654154-2
Report Number : 771125-1(6)
Date Reported : Oct 01, 2016
Page 2 of 4

Nutrient	LOD	Reference Method
Calories (kilocalories)	- kcal/100mL	Method of Analysis for Nutrition Labeling (1993) p.106
Total Fat (g)	- g/100mL	Based on AOAC (2012) , 922.06
Saturated Fat (g)	- g/100mL	-
Trans Fat (g)	- g/100mL	-
Cholesterol (mg)	- mg/100mL	-
Sodium (mg)	0.30 mg/100mL	Based on AOAC (2012) , 984.27
Total Carbohydrate (g)	- g/100mL	Method of Analysis for Nutrition Labeling (1993) p.106
Dietary Fiber (g)	- g/100mL	In-house method STM No. 03-008 based on AOAC (2012) , 985.29
Total Sugars (g)	- g/100mL	In-house method STM No. 03-025 based on Journal of AOAC International , Vol.75, No.3, 1992, p.443-464
Added Sugars (g)	- g/100mL	-
Protein (Nx6.25) (g)	0.1 g/100mL	In-house method STM No. 03-017 based on AOAC (2012) , 981.10
Vitamin D (mcg)	0.05 ug/100mL	In-house method STM No. 03-120 based on AOAC (2012) , 995.05
Calcium (mg)	0.30 mg/100mL	Based on AOAC (2012) , 984.27
Iron (mg)	0.005 mg/100mL	Based on AOAC (2012) , 984.27
Potassium (mg)	- mg/100mL	Based on AOAC (2012) , 984.27
Ash (g)	- g/100mL	In-house method STM No.03-114 based on AOAC (2012) , 923.03
Moisture (g)	- g/100mL	In-house method STM No.03-115 based on AOAC (2012) , 925.23

Remark : * Analyte(s) marked * is/are not included in scope of Accreditation
** Not Detected at a lower limit of detection
Not Significant source of Saturated Fat, Trans Fat and Cholesterol

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.



Analysis / Test Report NUTRITION LABELING (USFDA)



Accreditation No. 1031/47

Nutrition Labeling for

Sample : FAIRTRADE ORGANIC TAMARI SOY SAUCE

Lot ID : 1654154-2

Report Number : 771125-1(6)

Date Reported : Oct 01, 2016

Page 3 of 4

Nutrition Facts	
About 13,333 servings per container	
Serving size	1 tbsp (15 mL)
Amount per serving	
Calories	10
% Daily Value*	
Total Fat 0g	0%
Saturated Fat 0g	0%
Trans Fat 0g	
Cholesterol 0mg	0%
Sodium 1190mg	52%
Total Carbohydrate 1g	0%
Dietary Fiber 0g	0%
Total Sugars 0g	
Includes 0g Added Sugars	0%
Protein 2g	
Vitamin D 0mcg	0%
Calcium 12mg	0%
Iron 0.4mg	2%
Potassium 133mg	2%
* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.	

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.

ADDRESS 104 Phatthanakan 40, Phatthanakan Rd., Khwaeng Suan Luang, Khet Suan Luang, Bangkok 10250, Thailand | PHONE +66 0 2715 8700 | FAX +66 0 2715 8799

ALS LABORATORY GROUP (THAILAND) CO., LTD. An ALS Limited Company

Life Sciences

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

5406-21/ EMAIL

G:\LabFood\Nutrition\Crystal report\Nu_US_New_4p.rpt / NU-166264 (1:05 PM)



Analysis / Test Report NUTRITION LABELING (USFDA)



Accreditation No. 1031/47

Nutrition Labeling for

Sample : FAIRTRADE ORGANIC TAMARI SOY SAUCE

Lot ID : 1654154-2

Report Number : 771125-1(6)

Date Reported : Oct 01, 2016

Page 4 of 4

Nutrition Facts	
About 13,333 servings per container	
Serving size	1 tbsp (15 mL)
Amount per serving	
Calories	10
	% DV*
Total Fat 0g	0%
Sodium 1190mg	52%
Total Carbohydrate 1g	0%
Protein 2g	
Iron 0.4mg	2%
Potassium 133mg	2%
Not a significant source of saturated fat, <i>trans</i> fat, cholesterol, dietary fiber, total sugars, added sugars, vitamin D and calcium.	
* %DV = % Daily Value	

SA

The above results are valid only for the analyzed/tested sample(s) as indicated in this report. No part of this report or certificate may be reproduced in any form without written consent from the Laboratory. ALS Laboratory Group (Thailand) strongly recommends that this report is not reproduced except in full.