

Date of Issue October 19, 2020
Report No. TRBK63/40105
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Sample Description
 (provided by customer)

Spirulina powder

Sample Code

BK63/15991-001

Sample Condition

Sample Type: Spirulina powder
 Packaging : tightly sealed aluminium foil bag
 Quantity : 1 bag, Weight/Volume : 1.5 kg.
 Temperature : room temperature, in good condition when received

Date of sample receive

September 24, 2020

Date of analysis

September 25, 2020 - October 19, 2020

RESULT (S)

Test item	Per 100 g	Per Serving	% Daily value	Reference Method
Total Energy(Kcal) *	389.12	35	-	In-house method TE-CH-169 based on Method of Analysis for Nutrition Labeling (1993) p.106
Energy(Kcal) *	61.56	0	-	In-house method TE-CH-169 based on Method of Analysis for Nutrition Labeling (1993) p.106
Fat (g) *	6.84	0.5	1	AOAC (2019) 922.06
Saturated Fat (g) *	3.21	0	0	In-house method TE-CH-208 based on AOAC (2019) 996.06
Cholesterol (mg) *	Not Detected	0	0	In-house method based on TE-CH-143 based on AOAC (2019) 994.10
Protein (g) (%N x 6.25) *	66.92	7	-	AOAC (2019) 981.10
Carbohydrate (g) *	14.97	1	0	In-house method TE-CH-169 based on Method of Analysis for Nutrition Labeling (1993) p.106

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RESULT (S)

Test item	Per 100 g	Per Serving	% Daily value	Reference Method
Dietary Fiber (g) *	5.80	less than 1	2	In-house method TE-CH-076 based on AOAC (2019) 985.29
Sugar (g) *	less than 1.00	0	-	In-house method TE-CH-074 based on AOAC (2019) 906.03
Sodium (mg) ©	2187.14	220	11	In-house method TE-CH-134 based on AOAC(2019) 984.27
Vitamin A (µg) (Calculated from Beta carotene) *	121.790	(12.18)	less than 2	By Calculated
Beta carotene **©	730.740	(73.07)	-	In-house method based on Chemical and Technical Assessment (2004)
Vitamin B1 (mg) *	0.108	(0.01)	0	In-house method TE-CH-057 based on AOAC (2019) 942.23
Vitamin B2 (mg) *	4.479	(0.45)	25	In-house method TE-CH-057 based on J. Agric. Food Chemistry (1984), 32
Calcium (mg) ©	112.80	(11.28)	0	In-house method TE-CH-134 based on AOAC(2019) 984.27
Iron (mg) ©	50.40	(5.04)	35	In-house method TE-CH-134 based on AOAC(2019) 984.27
Vitamin E (mg) *	4.470	(0.45)	4	In-house method based on Liquid Chromatographic Analysis of Food and Beverage Vol.2, 1979
Magnesium (mg) ©	162.30	(16.23)	4	In-house method TE-CH-134 based on AOAC(2019) 984.27
Manganese (mg) ©	1.59	(0.16)	4	In-house method TE-CH-134 based on AOAC(2019) 984.27
Zinc (mg) ©	2.30	(0.23)	less than 2	In-house method TE-CH-134 based on AOAC(2019) 984.27
Vitamin C (mg) *	1.200	(0.12)	0	In-house method TE-CH-120 based on Bull. Dept. Med. Sci. Vol. 40, No. 3 (1998) p. 347-357
Ash (g) *	8.60	-	-	AOAC (2019) 920.153
Moisture (g) *	2.67	-	-	AOAC (2019) 925.45A

Note : * : Marked tests are not BLQS-DMSc accredited

© : Marked test items are BLQS-DMSc accredited and using external testing services to accredited laboratory.

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Nutrition Information			
Serving size : 1 tbsp (10 g)			
Serving (s) per pack : 12			
Amount Serving			
Total energy 35 Kcal (Energy from fat 0 Kcal)			
Total Fat	0.5 g		1 %
Saturated Fat	0 g		0 %
Cholesterol	0 mg		0 %
Protein	7 g		
Total Carbohydrate	1 g		0 %
Dietary Fiber	less than 1 g		2 %
Sugars	0 g		
Sodium	220 mg		11 %
Vitamin A	less than 2 %	Vitamin B1	0 %
Vitamin B2	25 %	Calcium	0 %
Iron	35 %	Vitamin E	4 %
Magnesium	4 %	Manganese	4 %
Zinc	less than 2 %		
* Percent Recommended Daily Intakes for population over 6 years of age are based on a 2,000 kcal diet			
Energy needs vary by individuals. If your activities require energy of 2,000 kcal per day, your daily diet should provide the following nutrients			
Total Fat	Less than	65	g
Saturated Fat	Less than	20	g
Cholesterol	Less than	300	mg
Total Carbohydrate		300	g
Dietary Fiber		25	g
Sodium	Less than	2000	mg
Energy (kcal) per gram: Fat 9; Protein 4; Carbohydrate 4			

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Nutritive values per container : 1
Serving per container : 12

Energy	Total sugar	Total fat	Sodium
420 kcal	0 g	6 g	2640 mg
*21%	*0%	*9%	*132%

* Calculated as percentage of maximum limit daily intake

~End of Report~



M. W. Meecharoen
(Mrs. Wanisa Meecharoen)
Approved Signatory

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TEST REPORT

Date of Issue October 19, 2020
Report No. TRBK63/40105-1
Page (s) 01/03

Sample Description Spirulina powder
 (provided by customer)
Sample Code BK63/15991-001
Sample Condition Sample Type: Spirulina powder
 Packaging : tightly sealed aluminium foil bag
 Quantity : 1 bag, Weight/Volume : 1.5 kg.
 Temperature : room temperature, in good condition when received

Date of sample received September 24, 2020
Date of analysis September 25, 2020 - October 19, 2020

RESULT (S)

Test item	Per 100 g	Per Serving	% Daily value	Reference Method
Calories(Kcal) *	389.12	35	-	In-house method TE-CH-169 based on Method of Analysis for Nutrition Labeling (1993) p.106
Total Fat (g) *	6.84	0.5	1	AOAC (2019) 922.06
Saturated Fat(g)	3.21	0	0	In-house method TE-CH-208 based on AOAC (2019) 996.06
<i>Trans</i> fat(g) *	Not Detected	0	-	In-house method TE-CH-208 based on AOAC (2019) 996.06
Cholesterol(mg) *	Not Detected	0	0	In-house method based on TE-CH-143 based on AOAC (2019) 994.10
Sodium (mg) ©	2187.14	220	10	In-house method TE-CH-134 based on AOAC (2019) 984.27
Total Carbohydrate (g) *	14.97	1	0	In-house method TE-CH-169 based on Method of Analysis for Nutrition Labeling (1993) p.106
Dietary Fiber (g) *	5.80	less than 1	2	In-house method TE-CH-076 based on AOAC (2019) 985.29
Sugars (g) *	less than 1.00	0	-	In-house method TE-CH-074 based on AOAC (2019) 906.03
Includes Added sugars (g) *	0.00	0	0	-

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RESULT (S)

Test item	Per 100 g	Per Serving	% Daily value	Reference Method
Protein (g) (%N x 6.25) *	66.92	7	-	AOAC (2019) 981.10
Vitamin D (mcg) **©	Not Detected	0	0	In-house method based on Journal of Chromatography A, 1105(2006) 135-139
Calcium (mg) ©	112.80	10	0	In-house method TE-CH-134 based on AOAC (2019) 984.27
Iron (mg) ©	50.40	5.0	30	In-house method TE-CH-134 based on AOAC (2019) 984.27
Potassium (mg) ©	1653.70	170	4	In-house method TE-CH-134 based on AOAC (2019) 984.27
Manganese (mg) ©	1.59	0.2	8	In-house method TE-CH-134 based on AOAC (2019) 984.27
Magnesium (mg) ©	162.30	15	4	In-house method TE-CH-134 based on AOAC (2019) 984.27
Vitamin E (mg) *	4.470	0.4	2	In-house method based on Liquid Chromatographic Analysis of Food and Beverage Vol.2, 1979
Zinc (mg) ©	2.30	0.2	0	In-house method TE-CH-134 based on AOAC (2019) 984.27
Vitamin C (mg) *	1.200	0	0	In-house method TE-CH-120 based on Bull. Dept. Med. Sci. Vol. 40, No. 3 (1998) p. 347-357
Ash (g) *	8.60	-	-	AOAC (2019) 920.153
Moisture (g) *	2.67	-	-	AOAC (2019) 925.45 A

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TEST REPORT

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Nutrition Facts

12 servings per container

Serving size 1 tbsp (10 g)

Amount per serving

Calories **35**

% Daily Value*

Total Fat 0.5g 1%

Saturated Fat 0g 0%

Trans Fat 0g

Cholesterol 0mg 0%

Sodium 220mg 10%

Total Carbohydrate 1g 0%

 Dietary Fiber less than 1g 2%

 Total Sugars 0g

 Includes 0g Added Sugars 0%

Protein 7g

Vitamin D 0mcg 0%

Calcium 10mg 0%

Iron 5.0mg 30%

Potassium 170mg 4%

Manganese 0.2mg 8%

Magnesium 15mg 4%

Vitamin E 0.4mg 2%

*The % Daily Values (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



(Mrs. Wanisa Meecharoen)
Approved Signatory

~End of Report~

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