

Expiry Date: September 2022

Characteristic	Test Method	Specification	Results
Appearance	Visual	Fine dark green powder	Fine dark green powder
Protein	AOAC (2016) 981.10	53 – 64 %	54.4 %
Carbohydrates	Compendium of Methods for Food Analysis, Thailand, 1st Ed., (2003)	18 – 30 %	29.51%
Chlorophyll A	Vis Spectrophotometry	4 – 10 g/kg	5.2 g/kg
Carotenoids	AOAC 938.04 / Paper chromatography	≥ 2.0 g/kg	2.09 g/kg
Moisture	AOAC (2016) 925.45 A	≤ 5.5 %	3.1 %
Ash	AOAC (2016) 920.153	≤ 8.0 % on a dry basis	7.38 %
Fiber	AOAC (2016) 985.29	≥ 1 % on a dry basis	11.70 %
Crude Phycocyanin	SDS-PAGE Electrophoresis / UV-Vis Spectrophotometry	19 – 25 %	24.32 %
Iron	AOAC (2016) 999.10 ICP-OES	≥ 28.5 mg/100g	34.5 mg/100g
Vitamin A (beta-Carotene)	Food Chem. (2003). 83(2):105-212	≥ 990 mg/100g	1,083 mg/100g
Microbiology			
Aerobic Plate Count	BAM-FDA, 2001, Chapter 3	< 100,000 cfu/g	44000 cfu/g
Total Coliforms	AOAC (2016) 991.14	< 100 cfu/g	Complies
Fecal Coliforms	BAM-FDA Ed. 8, Revision A/1998, Chapter 4	< 3 MPN/g	Complies
<i>Bacillus cereus</i>	ISO 7932:2004 (E)	≤ 300 cfu/g	30 cfu/g
<i>Salmonella spp.</i>	ISO 6579:2002 / Cor.1:2004 (E)	Not Detectable in 25 g	Complies
<i>E.coli</i>	AOAC (2016) 991.14	< 100 cfu/g	Complies
Yeast & Mold	AOAC (2016) 997.02	≤ 300 cfu/g	10 cfu/g
Heavy Metals			
Lead (Pb)	ICP/MS AOAC (2016) 999.10	< 0.2 ppm	< 0.075 ppm
Cadmium	ICP/MS AOAC (2016) 999.10	< 0.1 ppm	0.036 ppm
Chromium	ICP/MS AOAC (2016) 999.10	< 0.3 ppm	0.160 ppm
Arsenic	ICP/MS AOAC (2016) 986.15	< 0.5 ppm	Not Detectable
Mercury	ICP/MS AOAC (2016) 974.14	< 0.035 ppm	Not Detectable

Store in a cool, dry area. Do not freeze. Keep away from strong direct light.