

## Certificate of analysis

Name of product: Chlorella Tablet 200 mg

Tablet Lot Number 302E029

Date of production: January 29, 2020

Expiry date: January 29, 2023

Content of Analysis		Standard	Value of Testing	Result	Device & Method
Characteristics & Appearance	Dosage Form	Round tablet $\phi 8 \pm 0.1 \text{mm}$	$\phi 8$	Pass	Vernier caliper
	Thickness	$4.2 \text{mm} \pm 0.3 \text{mm}$	4.4 mm	Pass	Vernier caliper
	Weight	$200 \text{mg} \pm 10 \text{mg}$	203 mg	Pass	Electronic scale
Hardness		$1.8 \sim 5.5 \text{kg/cm}^2$	$4.3 \text{kg/cm}^2$	Pass	Penetrometer
Disintegration		Within 30 minutes	21 minutes 40 seconds	Pass	Disintegration apparatus
Friability		1% or less	-0.12 %	Pass	Tablet friability tester
Water		10% or less	4.70 %	Pass	Heating and drying moisture analyser
Water activity		0.65aw or less	0.26 aw	Pass	Portable water activity meter
Standard plate count		3,000/g or less	3,000/g or less	Pass	Standard agar plate culture method
Coli form bacteria		Negative	Negative	Pass	Desoxycholate Agar

The sample was drawn from Lot No. 11030.

Content of Analysis	Standard	Result	Note	Remarks
Moisture	7 g/100g or less	4.4 /100g		Heating and drying method
Protein	56~72 g/100g	62.97 /100g	1	Kjeldahl method Note 2
Ash content	10 g/100g or less	5.3 /100g	1	
Sodium	300 mg/100g or less	167 mg/100g	1	Atomic Absorption Spectrometry
Ferrum	220 mg/100g or less	30.2 mg/100g	1	Absorption Spectrophotometry
Total Chlorophyll	1.80~4.80 g/100g	2.96 g/100g	1	
Chlorella Extract (Fraction of hydrothermal extract)	10~26 g/100g	13.20 g/100g	1	
Existing Pheophorbide	80 mg/100g or less	12.82 mg/100g	1	Notification No. 99 of Environmental Health Bureau
Total Pheophorbide	80 mg/100g or less	75.50 mg/100g	1	Notification No. 99 of Environmental Health Bureau
Standard plate count	3000 /g or less	3,000/g or less	1	
Coli form bacteria	Negative	Negative	1	
Heavy metal	No detection (20ppm or less)	No detection	1	
Impurities Check	No detection	No detection	1	

Note 1. Based on Chlorella Food quality standard of Japan Health Food & Nutrition Food Association

Note 2. Nitrogen-to-protein conversion factor 6.25