

CERTIFICATE OF ANALYSIS

Product Name	Astaxanthin Powder	Latin Name	<i>Haematococcus pluvialis</i>
Batch No	PY-AS20190517	Analysis Date	May.20,2019
Quantity	300KG	Exp. Date	May.16,2021
Mfg. Date	May.17,2019	Shelf Life	2 Years

No.	Item	Specification	Result
1.	Appearance	Dark red powder	Complies
2.	Odor & Taste	No coke, corruption and other peculiar smell	Complies
3.	Assay (by HPLC)	Astaxanthin $\geq$ 5.0%	5.11%
4.	Loss on Drying	$\leq$ 10.0%	4.91%
5.	Ash	$\leq$ 15.0%	5.42%
6.	Pb	$\leq$ 1.0ppm	0.21ppm
7.	As	$\leq$ 1.0ppm	0.87ppm
8.	Cd	$\leq$ 1.0ppm	<0.01ppm
9.	Hg	$\leq$ 0.1ppm	0.035ppm
10.	Total Plate Count	$\leq$ 30,000cfu/g	8500cfu/g
11.	Coliforms	$\leq$ 0.92MPN/g	Negative
12.	Yeasts & Molds	$\leq$ 50cfu/g	<10cfu/g
13.	Salmonella	Negative	Negative
14.	Shigella	Negative	Negative
15.	Staphylococcus aureus	Negative	Negative

Store in a dry and cool place, protected from light, heat and oxygen. The storage temperature is below 10°C.

Packaged in 5kg net aluminum foil bag under nitrogen, five bags per cardboard drum.

Two years in the original package. It is recommended to use the entire content after opening.

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