

CERTIFICATE OF ANALYSIS

Product Name	Haematococcus Pluvialis Extract 5% Astaxanthin	Latin Name	<i>Haematococcus pluvialis</i>
Batch No	PY-AS20190218	Used Part	Whole
Quantity	500KG	Analysis Date	Feb.21, 2019
Mfg. Date	Feb. 18, 2019	Exp. Date	Feb.17, 2021

No.	Item	Specification	Result
1.	Appearance	Dark red oily viscous liquid	Complies
2.	Smell & Taste	No burnt, rancid, or peculiar smell	Complies
3.	Impurities	No visible impurities	Complies
4.	Assay(by HPLC)	Astaxanthin $\geq$ 5.00%	5.16%
5.	Moisture	$\leq$ 5.0%	0.17%
6.	Ash	$\leq$ 5.0%	0.03%
7.	Pb	$\leq$ 1.0mg/kg	<1.0mg/kg
8.	As	$\leq$ 1.0mg/kg	0.28mg/kg
9.	Cd	$\leq$ 1.0mg/kg	<1.0mg/kg
10.	Hg	$\leq$ 0.1mg/kg	<0.01mg/kg
11.	Total Plate Count	$\leq$ 30,000cfu/g	<100cfu/g
12.	Coliforms	$\leq$ 0.92MPN/g	Negative
13.	Yeasts & Molds	$\leq$ 50cfu/g	Negative
14.	E.Coli	Negative	Negative
15.	Salmonella	Negative	Negative
16.	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 tin under nitrogen.

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

Analyst: xuli

QC: lixiaochen