



Shaanxi LonierHerb Bio-Technology Co., Ltd.

Add: Tuanjie South Road No.11, Hi-tech Zone, Xi'an China

Tel: +86-29-87551862/ 85875292

www.Lonierherb.com E-mail:info@lonierherb.com

Certificate of Analysis

Product Information

Product Name:	Spirulina Extract	Product Type:	Phycocyanin E18
Batch Number:	SEL200709	Manufacture Date	2020.07.09
Analysis Date:	2020.07.14	Expiry Date	2023.07.08

Test items	Specifications	Result	Test Methods
Active Ingredients			
Color Value(10%E618nm)	>180unit	188unit	as below

Physical & Chemical Data

Appearance	Blue Powder	Conforms	Visual
Odor and Taste	Characteristic	Conforms	Organoleptic
Sieve analysis	90% through 80 mesh	Conforms	80 Mesh Screen
Loss on Drying	≤5.0 %	4.21%	Heat & Weight
Solubility	Soluble in water	Conforms	Visual
Carrier	45%trehalose , 5%Sodium Citrate	Conforms	

Contaminants

Lead (Pb)	<3.0mg/kg	0.26mg/kg	ICP-MS
Arsenic (As)	<2.0mg/kg	0.12mg/kg	ICP-MS
Cadmium (Cd)	<1.0mg/kg	0.01mg/kg	ICP-MS
Mercury (Hg)	<0.1mg/kg	0.001mg/kg	ICP-MS

Microbiological

Total Aerobic Count	≤ 1000cfu/g	Conforms	GB 4789.2
Yeast & Moulds	≤ 100cfu/g	Conforms	GB 4789.15
E-Coli	Negative	Conforms	GB 4789.3
Salmonella	Negative	Conforms	GB 4789.4
Staphylococcus Aureus	Negative	Conforms	GB 4789.10

Storage & Packing

Shelf Life:	3 years when properly stored.
Packing :	Packed in paper-drums and two plastic-bags inside.
Storage:	Store in cool & dry place, not freeze. Keep away from strong light.

Color Value(10%E618nm)=Absorbance(at 618nm)×100/0.33g Measure 0.33g of

Measure 0.33g of Phycocyanin and dissolve it into the 100ml of the buffer solution adjusted PH6.0 using volumetric flask correctly. Then dilute the solution 10times and measure the absorbance at 618nm using the cell which is 1cm in thickness.

Tested by: 张丽娟

Checker: 李明

Approved:

赵双科