

## Certificate of Analysis

Product Name	Spirulina Extract	Manufacture Date	2021.12.18
Product Type	Phycocyanin E10	Expire Date	2023.12.17
Batch No	YG-E10210318	Report Date	2021.12.25
Quality	Food Grade	Sample Size	400g
Model	1Kg/packet	Net content	1.001Kg

Analysis Item	Specification	Results	Test Method
<b>Physical Test</b>			
Appearance	Blue Powder	Conforms	Visual
Odor /Taste	Characteristic	Conforms	Smell /Taste
Solubility	Water Soluble	Conforms	Visual
Impurity	None visible impurity	Conforms	Visual
Particle size	100% Pass 80 mesh	Conforms	Sieve
<b>Physical and chemical index</b>			
Color Value	>100unit	120unit	Amax/m
Loss on Drying	≤6.0%	4.50%	GB5009.3-2016
Protein g/100g	15-70%	31.0%	GB5009.5-2016
Phycocyanin g/100g	10-60%	24.16%	SN/T 1113-2002
<b>Heavy Metals*</b>			
Lead (Pb)	≤0.9(mg/kg)	<0.40(mg/kg)	GB5009.12-2017
Arsenic (As)	≤0.5(mg/kg)	<0.20(mg/kg)	GB5009.11-2014
Cadmium (Cd)	≤0.2(mg/kg)	<0.04(mg/kg)	GB5009.15-2014
Mercury (Hg)	≤0.05(mg/kg)	<0.02(mg/kg)	GB5009.17-2014
<b>Microbiological Tests</b>			
Total Plate Count	≤1000 (CFU/g)	<100 (CFU/g)	GB4789.2-2016
Yeast and Mold*	≤100 (CFU/g)	<10 (CFU/g)	GB4789.15-2016
Coliforms*	≤10 (CFU/g)	<10 (CFU/g)	GB4789.3-2016
<b>Detection of pathogenic bacteria*</b>			
Salmonella	Negative	Conforms	GB4789.4-2016
Staphylococcus aureus	≤100 (CFU/g)	<10 (CFU/g)	GB4789.10-2016
Vibrio parahaemolyticus	≤3.0 (MPN/g)	<3.0 (MPN/g)	GB4789.10-2016
Conclusion	Conforming to the quality standard.		
Carrier	Trehalose ,Sodium Citrate		
Storage	stored in tightly sealed containers in cool and dry place.		

Note:The above \*items are tested by third party.