

**Certificate of Analysis 质量分析报告**

<b>Product Name :</b>	Spirulina Extract	<b>Manufacture Date</b>	2022.02.25
<b>Product Type :</b>	Phycocyanin E18	<b>Best Before Date :</b>	2024.02.24
<b>Batch No :</b>	YG1022022502	<b>Report Date</b>	2024.02.26
<b>Quality :</b>	Food Grade	<b>Sample Size</b>	400g
<b>Analysis Item</b>	<b>Specification</b>	<b>Results</b>	<b>Test Method</b>
<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	>180-195unit	192unit	Amax/m
Loss on Drying	≤6.0%	435%	GB5009.3-2016
Protein g/100g	15-70%	46.4%	GB5009.5-2016
Phycocyanin g/100g	10-60%	35.8%	SN/T 1113-2002
<b>Heavy Metals</b>			
Lead (Pb) 铅	≤0.9(mg/kg)	<0.40 (mg/kg)	GB5009.12-2017
Arsenic (As) 砷	≤0.5(mg/kg)	<0.20 (mg/kg)	GB5009.11-2014
Cadmium (Cd) 镉	≤0.2(mg/kg)	<0.04 (mg/kg)	GB5009.15-2014
Mercury (Hg) 汞	≤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 (/25g)	Conforms (/25g)	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
<b>Conclusion</b>	Conforming to the quality standard		
<b>Carrier</b>	Trehalose , Sodium Citrate		
<b>Storage</b>	stored in tightly sealed containers in cool and dry place.		

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