



# Xi'an Green Spring Technology Co.,Ltd

## CERTIFICATE OF ANALYSIS

Product name:	Blue Spirulina Phycocyanin Powder	Manufacture date:	Mar 23rd 2023
Product type:	E25	Expiry date:	Mar 22nd 2025
Batch No:	E25230323	Report date:	Mar 30th 2023
Quality:	Food grade	Model:	5Kg/ packet
Net content:	5.006Kg		
Ingredients:	90%-95% Spirulina concentrate, 5%- 10% sodium citrate		
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
<b>Physical and chemical index</b>			
Color value	≥250unit	275unit	UV(Amax/m)
Loss on drying	≤7.0%	4.08%	3g/105℃/2hrs
Protein (g/100g)	5-90%	58.8%	Kjeldahl method
Phycocyanin (g/100g)	5-90%	54.32%	SN/T 1113-2002
<b>Heavy metals*</b>			
Lead (Pb)	≤0.9 (mg/kg)	<0.40 (mg/kg)	ICP-MS
Arsenic (As)	≤0.5 (mg/kg)	<0.20 (mg/kg)	ICP-MS
Mercury (Hg)	≤0.05 (mg/kg)	<0.02 (mg/kg)	ICP-MS
<b>Microbiological tests</b>			
Total plate count	≤1000 (CFU/g)	Conforms	AOAC 990.12
Mold*	≤300 (CFU/g)	Conforms	AOAC 997.02
Coliforms	≤20 (CFU/g)	Conforms	AOAC 991.14
<b>Detection of pathogenic bacteria</b>			
Salmonella	Negative	Not detected	AOAC 998.09
Conclusion:	Conforming to the quality standard.		
Shelf life:	2 Years.		
Storage:	Stored in tightly sealed containers in cool and dry place, below 26℃.		

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

Director: Zhongmin Ma

Recheck: Liang Yan

