



# Xi'an Green Spring Technology Co.,Ltd

## CERTIFICATE OF ANALYSIS

<b>Product name:</b>	Phycocyanin Powder	<b>Manufacture date:</b>	2023.06.15
<b>Product type:</b>	E18	<b>Expiry date:</b>	2025.06.14
<b>Batch No:</b>	E18230615	<b>Report date:</b>	2023.06.22
<b>Quality:</b>	Food grade	<b>Model:</b>	1kg/packet
<b>Net content:</b>	1.005Kg		
<b>Ingredients:</b>	50%-65% spirulina concentrate, 30%-40% trehalose, 5%-10% sodium citrate		
<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
<b>Physical and chemical index</b>			
Color value	180-195unit	191unit	UV(Amax/m)
Loss on drying	≤6.0%	5.40%	3g/105°C/2hrs
Protein (g/100g)	15-70%	42.3%	Kjeldahl method
Phycocyanin (g/100g)	10-60%	37.72%	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
Cadmium(Cd)	≤0.2 (mg/kg)	< 0.04 (mg/kg)	GF AAS
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*	≤100 (CFU/g)	Conforms	AOAC 997.02
Coliforms	≤10 (CFU/g)	Conforms	AOAC 991.14
<b>Detection of pathogenic bacteria*</b>			
Salmonella	Negative	Not detected	AOAC 998.09
<b>Conclusion:</b>	Conforming to the quality standard.		
<b>Shelf life:</b>	2 Years.		
<b>Storage:</b>	Stored in tightly sealed containers in cool and dry place, below 26°C.		

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

Director: Zhongmin Ma

Recheck: Liang Yan

