



Xi'an Green Spring Technology Co.,Ltd.

Floor 14 Suite B, HuiXin IBC, No.1 Zhang Ba 1 Road, Hi-tech Development Zone, Xi'an. China.

CERTIFICATE OF ANALYSIS

Product name:	Spirulina extract	Manufacture date:	2023.06.15
Product type:	E18	Expiry date:	2025.06.14
Batch No:	E18230615	Report date:	2023.06.22
Quality:	Food grade	Model:	1kg/packet
Brand:	BINMEI	Net content:	1.005Kg
Ingredients:	50%-65%spirulina concentrate,30%-40% trehalose, 5%-10%sodium citrate		
Analysis item	Specification	Results	Test method
Physical test			
Appearance	Blue powder	Conforms	Visual
Odor/Taste	Characteristic	Conforms	Smell/Taste
Solubility	Water soluble	Conforms	Visual
Impurity	None visible impurity	Conforms	Visual
Physical and chemical index			
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
Heavy metals*			
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
Microbiological tests			
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
Detection of pathogenic bacteria*			
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 25°C.		

Note: The above * itens are tested by third party.

Director: Zhongmin Ma

Recheck: Zhi Wu

