



Xi'an Green Spring Technology Co.,Ltd

Certificate of Analysis

General Information

Product Name:	Natural Lycopene	Source:	Fermentation
Batch Number:	230915GS	Production Date:	2023.09.10

Item	Specification	Result	Method
Physical and Chemical Property			
Appearance	Red Powder	Conforms	Visual
Particle size	≥95% through 80 mesh	Conforms	Screening
Residue on Ignition	≤g/100g	0.50g/100g	3g/550°C/4hrs
Loss on Drying	≤5g/100g	3.91g/100g	3g/105°C/2hrs
Identification	Conforms with TLC	Conforms	TLC
Content	10% Lycopene	10.21%	HPLC

Residue Analysis

Heavy Metals	≤10mg/kg	Conforms	
Lead (Pb)	≤1.00mg/kg	Conforms	ICP-MS
Arsenic (As)	≤1.00mg/kg	Conforms	ICP-MS
Cadmium (Cd)	≤1.00mg/kg	Conforms	ICP-MS
Mercury (Hg)	≤0.50mg/kg	Conforms	ICP-MS

Microbiological Tests

Total Plate Count	≤1000cfu/g	200cfu/g	AOAC 990.12
Total Yeast & Mold	≤100cfu/g	10cfu/g	AOAC 997.02
E.Coli	Negative/10g	Conforms	AOAC 991.14
Salmonella	Negative/10g	Conforms	AOAC 998.09
S.aureus	Negative/10g	Conforms	AOAC 2003.07

Product Status

Conclusion	Sample Qualified
Shelf Life:	24 months under the condition below and in its original packing.
Retest date:	Retest every 24 months under the conditions below and in its original packaging.
Storage:	Store in a cool, dry place away from moisture and light.

Quality Assurance: Liang Yan

