



Shaanxi LonierHerb Bio-Technology Co., Ltd.

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Technical Data Sheet

Product Information

Product Name	Lycopene (Fermentation) 98%
Botanical Name	Lycopersicon esculentum
Used Part	Fruit

Test items	Specifications	Test Methods
Active Ingredients		
Lycopene	96-101 %	HPLC
All-trans-Lycopene	>90.0%	
Other Carotenoids	<5%	
Solvent Extraction	Water & Alcohol	

Physical & Chemical Data

Appearance	Red to reddish brown crystal powder	Visual
Odor and Taste	Characteristic	Organoleptic
Sieve analysis	90% through 80 mesh	80 Mesh Screen
Loss on Drying	<0.5 %	105°C/2 hrs
Total Ash	<0.5 %	GB 5009.4-2016
Solubility	Insoluble in water, dissolved in chloroform	Visual

Contaminants

Lead (Pb)	<3.0mg/kg	ICP-MS
Arsenic (As)	<2.0mg/kg	ICP-MS
Cadmium (Cd)	<1.0mg/kg	ICP-MS
Mercury (Hg)	<0.1mg/kg	ICP-MS
Solvents Residue	<5000 mg/kg	GC

Microbiological

Total Aerobic Count	≤ 1000cfu/g	GB 4789.2
Yeast & Moulds	≤ 100cfu/g	GB 4789.15
E-Coli	Negative	GB 4789.3
Salmonella	Negative	GB 4789.4
Staphylococcus Aureus	Negative	GB 4789.10

Storage & Packing

Shelf Life:	3 years when properly stored.
Packing :	Packed in paper-drums and two plastic-bags inside.
Storage:	Store in cool & dry place, not freeze. Keep away from strong light.

Remarks: This product is natural, the color vary from batch to batch.