



# 西安绿泉科技有限公司

XI'AN GREEN SPRING TECHNOLOGY CO., LTD.

## **CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Lycopene powder		
<b>Batch Number</b>	230413	<b>Quantity</b>	100kg
<b>Manufacture Date</b>	Apr. 13th, 2023	<b>Expiry Date</b>	Apr. 12th, 2025

Item of Analysis	Specification	Results	Test Method
Assay Lycopene	≥ 10.0 %	10.40%	HPLC
<b>Organoleptic</b>			
Appearance	Fine-Flowing Deep Red Powder	Complies	Organoleptic
Odor	Characteristics	Complies	Organoleptic
Taste	Characteristics	Complies	Organoleptic
<b>Physical Characteristics</b>			
Loss on drying	≤ 5.0%	3.36%	5g/105°C/2hrs
Ash	≤ 5.0%	2.92%	3g/500°C/4hrs
Solubility	Soluble in water	Complies	/
Particle Size	95% Pass 80M	Complies	80MESH
Pesticide Residuals	Absent	Absent	USP<561>
Solvent Residuals	EC2009/32	Complies	USP<467>
Sum of PAHs	≤ 50ppb	Complies	EC1881/2006
Benzo(a)pyrene	≤ 10ppb	Complies	EC1881/2006
<b>Heavy metals</b>			
Total Heavy Metals	≤10.0ppm	Complies	Colorimetry
Lead (Pb)	≤2.0ppm	Complies	ICP-MS
Arsenic (As)	≤2.0ppm	Complies	ICP-MS
Cadmium (Cd)	≤0.5ppm	Complies	ICP-MS
Mercury (Hg)	≤0.1ppm	Complies	ICP-MS
<b>Microbiological Tests</b>			
Total Plate Count	1000cfu/g Max	Complies	AOAC
Yeast & Mold	100cfu/g Max	Complies	AOAC
E. Coli.	Negative	Negative	AOAC
Salmonella	Negative/25g	Negative	AOAC
Staphylococcus aureus	Negative/25g	Negative	AOAC
Aflatoxin B1	< 5 µg/kg	Complies	EC1881/2006
Sum of Aflatoxin B1, B2, G1, G2	< 10 µg/kg	Complies	EC1881/2006

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

