



Certificate of Analysis

Product Name	Purple Red Mica Powder		
INCI Name:	MICA		
Batch Number	20260605	Manufacture Date	20260605
Report Date	20260605		

Items Tested	Specifications	Results	Test Method
Physical and Chemical Analysis			
Appearance	Purple Red powder	Complies	Organoleptic examination
Odor	Characteristic	Complies	Organoleptic examination
Purity	99%	99.5%	
Physical Characteristics			
APS	40-60µm	conform	Laser Particle Size Analyzer
Specific Gravity	2.80 gm/cm ³	conform	Pycnometer Method
pH	7-8	8	pH Meter
Heat Resistance	650 °C	conform	High Temperature Furnace Test
Moh's Hardness	2.5	conform	Mohs Hardness Tester
Elastic Coefficient	(1475.9-2092.7)×106Pa	conform	Dynamic Mechanical Analysis
Transparency	71.7-87.5%	80	Spectrophotometer
Refractive index	1.571.59	conform	Refractometer
Melting Point	1250 °C	conform	High Temperature DSC per ASTM E1131
Loss on Drying	≤ 5.00%	3.98%	USP <731> / Ph.Eur. 2.2.32
Total ash	≤ 5.00%	2.84%	USP<561>
Bulk Density	0.45-0.60 g/mL	0.53 g/mL	USP <616> / Ph.Eur. 2.9.34
Residue of Solvents	Ethanol ≤ 3000 ppm	Conform	USP <467> / GC-MS
Heavy Metals (ICP-MS)			
Lead (Pb)	≤ 10 ppm	<0.5 ppm	ICP-MS
Arsenic (As)	≤ 2 ppm	<0.1 ppm	ICP-MS
Cadmium (Cd)	≤ 1 ppm	<0.1 ppm	ICP-MS
Mercury (Hg)	≤ 1 ppm	<0.05 ppm	ICP-MS
Microbial Limits			
Total Aerobic Microbial Count	≤ 1000 CFU/g	<10 CFU/g	USP <61> / Ph. Eur. 2.6.12
Total Yeast and Mold Count	≤ 100 CFU/g	<10 CFU/g	USP <61> / Ph. Eur. 2.6.12
E. coli	Absent in 1g	Absent	USP <62> / Ph. Eur. 2.6.13
Salmonella spp.	Absent in 10g	Absent	USP <62> / Ph. Eur. 2.6.13
Pseudomonas aeruginosa	Absent in 1g	Absent	USP <62> / Ph. Eur. 2.6.13

Quality Statement: This product is manufactured under a quality system compliant with cGMP principles for both food and cosmetic applications. Specifications and test methods are established with reference to the relevant ISO Standards, Chinese National Standards (GB), United States Pharmacopeia (USP), and European Pharmacopoeia (Ph. Eur.).

For cosmetic use, the batch fully complies with the requirements of EU Cosmetic Regulation (EC) No 1223/2009, China's Safety Technical Standards for Cosmetics (2015 Edition), and U.S. FDA cosmetic GMP guidelines. For food use, the batch meets the applicable requirements of China's national food safety standards (including GB 2762, GB 2763, GB 7101) and the U.S. FDA Food Safety Modernization Act (FSMA) and applicable food additive regulations.

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

Shelf Life: 24 months if stored under the above conditions and remains in original packaging.

