

Certificate of Analysis

Product Name	Alpha Arbutin	Quantity	500 Kg
Batch No.	XGG20211230	Package	25 Kg/Drum
Test Date	20220105	Expiry Date	20231229

Items	Standards	Results
Appearance	White fine powder or crystals	White powder
Assay	>99.5%	99.8%
Melting point	202~206±0.5 °C	203.0-205.0 °C
Clarity of water solution	Transparency , colorless , None suspended matters	Conforms
Specific optical rotation	【a】 D ²⁰ =+174.0° - +186.0°	+180.5°
Solubility	Soluble in water 、 alcohol	Conforms
Transparency in water	Transparent colorless no suspended	Conforms
PH (1% water solution)	5.0-7.0	5.92
Loss on drying %	≤ 0.5	0.11
Sulfated ash	≤ 0.5	0.18
Heavy metals	≤10ppm	Conforms
Arsenic	≤1ppm	Conforms
Plumbum	≤2ppm	Conforms
Total Plate count	<300 cfu/g	22 cfu/g
Yeast & mold	<100 cfu/g	9 cfu/g
Escherichia coli	Negative	Conforms
Staphylococcus aureus	Negative	Conforms
Hydroquinone	Negative	Conforms

Storage: Store in a cool, dry place away from Moisture, Light, Oxygen
Shelf life : 24 months under the conditions below, no antioxidant used

QC :Guo Shan

QA: Feng Li

