

Certificate of Analysis

Product Name: Alpha-Arbutin

Batch NO: 200415

Manufacturing Date: 16th, Apr.2020

Expiry Date: 15th, Apr.2022

ANALYSIS	SPECIFICATION	RESULTS
α-Arbutin	≥99.5%	99.8%
Hydroquinone	≤10.0ppm	ND
Appearance	White fine powder	Complies
Odor	Characteristic	Complies
Taste	Characteristic	Complies
pH value (1% solution)	5.0-7.0	5.87
Melting Point	202.0~210.0 ±0.5 °C	204.4-206.6 °C
Specific Optical Rotation	+174.0°~+186.0°	177.79°
Loss on drying	≤0.5%	0.18%
Residue on Ignition	≤0.5%	0.08%
Heavy Metals	≤10ppm	Complies
As	≤2.0ppm	0.02ppm
Pb	≤1.0ppm	0.03ppm
Total Bacteria Count	≤1000cfu/g	80cfu/g
Yeast and Mold	≤100cfu/g	10cfu/g
E.Coli	Negative	Negative
Salmonella enterica	Negative	Negative
Pseudomonas aeruginosa	Negative	Negative
Staphylococcus aureus	Negative	Negative

* **Conclusion:** Conform to above specification

* **Packaging:** 1kg per bag, 25kg per fiber drum.

* **Storage Condition:** Protected from light and humidity in a clean place at room temperature.

* **Shelf Life:** 2 years when properly stored in original packaging.

Quality Control: Winni

Inspector :Christina

