

CERTIFICATE OF ANALYSIS

Product Name	Alpha-Arbutin
INCI Name	Alpha-Arbutin
CAS#	84380-01-8
Lot Number	20230418
Manufacture Date	04/2023
Re-test Date	04/2025

Analytical Tests	Specification	Result
Appearance	White to off-white powder	CONFORMS
Assay (%)	≥ 99.5	99.8
Specific rotation (°)	+175.0 ~ +185.0	+178.2
Transmittance(%)	≥ 95.0	97.2
Loss on drying (%)	≤ 0.5	0.08
Ignition residue (%)	≤ 0.5	0.05
PH value (1% solution)	5.0 ~ 7.0	5.8
Melting Point (°C)	202.0 ~ 210.0	206.3
Hydroquinone	Negative	CONFORMS
Lead (mg/kg)	≤ 10	< 10
Arsenic (mg/kg)	≤ 2	< 2
Mercury (mg/kg)	≤ 1	< 1
Cadmium (mg/kg)	≤ 5	< 5
Total plate count (cfu/g)	≤ 1000	< 10
Yeast & mould (cfu/g)	≤ 100	< 10
Fecal Coliforms	Negative	CONFORMS
Pseudomonas Aeruginosa	Negative	CONFORMS
Staphylococcus Aureus	Negative	CONFORMS

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As it is electronically generated document, hence no signature required.

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