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CERTIFICATE OF ANALYSIS

Alpha Arbutin Powder - Cosmetic Grade

Document No.:
COA-AA-25KG-001
Issue Date: 14 Jun 2026
Revision: 00

Product Information

Product Name	Alpha Arbutin Powder	CAS No.	84380-01-8
INCI Name	Alpha-Arbutin	Molecular Formula	C ₁₂ H ₁₆ O ₇
Grade	Cosmetic Grade	Molecular Weight	272.25 g/mol
Appearance	White crystalline powder	Origin	Imported
Packaging	25 kg net / fiber drum, double PE inner bags	Storage	Cool, dry, protected from light
Batch No.	AA-2026-0614-25K	Retest Date	13 Jun 2028
Manufacturing Date	14 Jun 2026	Shelf Life	24 months

Analytical Results

Test Item	Specification	Result	Method
Appearance	White to off-white crystalline powder	Complies	Visual
Identification	Positive reaction / conforms to standard	Complies	HPLC / IR
Assay (Alpha Arbutin)	NLT 99.0%	99.62%	HPLC
Melting Point	202 - 210 C	205.4 - 207.1 C	In-house
Loss on Drying	NMT 0.50%	0.18%	USP <731>
Residue on Ignition	NMT 0.10%	0.04%	USP <281>
pH (1% aqueous solution)	5.0 - 7.0	5.8	USP / In-house
Hydroquinone	NMT 10 ppm	< 5 ppm	HPLC
Heavy Metals	NMT 10 ppm	< 10 ppm	ICP-MS
Lead (Pb)	NMT 2 ppm	< 1 ppm	ICP-MS
Arsenic (As)	NMT 1 ppm	< 1 ppm	ICP-MS
Mercury (Hg)	NMT 1 ppm	< 0.1 ppm	ICP-MS
Cadmium (Cd)	NMT 1 ppm	< 0.1 ppm	ICP-MS
Total Plate Count	NMT 1,000 CFU/g	< 100 CFU/g	USP <61>
Yeast & Mold	NMT 100 CFU/g	< 10 CFU/g	USP <61>
E. coli	Absent / g	Absent	USP <62>
Salmonella	Absent / 10 g	Absent	USP <62>

Conclusion

The above batch complies with the stated specifications for Alpha Arbutin Powder, Cosmetic Grade, based on the tests performed. This certificate is valid only for the batch number indicated above.

Prepared by	Quality Control Department	Signature	
Reviewed by	Quality Assurance Department	Date	14 Jun 2026
Approved by	Authorized Signatory	Company Stamp	

Note: Formal COA template only. Replace placeholders with verified supplier, batch, test results, signature, and stamp before official release.