

Certificate of Analysis
(Representative Sample Certificate)

Product Name: Alpha-Arbutin
INCI Name: Alpha-Arbutin
CAS Number: 84380-01-8
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 36 months from production date

Analytical Tests	Specification	Results
Appearance	White to off-white powder	corresponds
Arbutin Content (HPLC RP18; UV 280nm)	>=97%	98.00%
Loss on Drying (EP 2.2.32, Evaporation, gravimetric)	<=2%	0.0%
Identity by FT-IR (EP 2.2.24, Michaelson prisme)	Corresponds with reference spectrum	Corresponds
Optical Rotation [α] (EP 2.2.7)	+174 to +186°	176°
Heavy Metals (EP 2.4.8)	< 20ppm	corresponds
Arsenic (EP 2.2.23)	< 2ppm	corresponds
Total aerobic mesophilic plate count (EP 2.6.12)	< 100 CFU/g	corresponds
Specific microorganisms (Colipa)	Not detectable in 1g	corresponds

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

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