

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.

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.