

CERTIFICATE OF ANALYSIS

Product Name	Alpha-Arbutin
INCI Name	Alpha-Arbutin
CAS#	84380-01-8
Lot Number	HTAB220505
Manufacture Date	05/2022
Re-test Date	05/2024

Analytical Tests	Specification	Result
Appearance	White to off-white powder	CONFORMS
Arbutin Content	$\geq 97\%$	99.00%
Loss on Drying	$\leq 2\%$	0.0%
Identity by FT-IR	CONFORMS	CONFORMS
Optical Rotation	$+174$ to $+186^\circ$	181°
Heavy Metals	$< 20\text{ppm}$	CONFORMS
Arsenic	$< 2\text{ppm}$	CONFORMS
Aerobic mesophilic plate	$< 100 \text{ CFU/g}$	CONFORMS
Specific microorganisms	Not detectable in 1g	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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