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SPECIFICATION SHEET

Alpha-Arbutin 99%

Product Name	Alpha-Arbutin	**CAS No.**	84380-01-8
Molecular Formula	C12H16O7	**Molecular Weight**	272.25

Test Item	Specification	Test Method
Appearance	White crystalline powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification	Corresponds to RS	IR
Assay (on dried basis)	≥ 99.0%	HPLC
Specific Rotation	+175° - +185°	USP <781>
Melting Range	202-210 ℃	USP <741>
pH (1% solution)	5.0 - 7.0	USP <791>
Hydroquinone	≤ 10 ppm	HPLC
Clarity (430nm)	≥ 95%	USP <851>
Loss on Drying	≤ 1.0%	USP <731>
Residue on Ignition	≤ 0.5%	USP <281>
Lead (Pb)	≤ 0.5 ppm	ICP-MS
Arsenic (As)	≤ 0.5 ppm	ICP-MS
Cadmium (Cd)	≤ 0.5 ppm	ICP-MS
Mercury (Hg)	≤ 0.1 ppm	ICP-MS
Standard Plate Count	≤ 1,000 cfu/g	USP <2021>
Total Yeast & Mold	≤ 100 cfu/g	USP <2021>

Storage: Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

Shelf Life: 24 months under above conditions, and kept in its unopened original packaging.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Nov. 20, 2026