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SPECIFICATION SHEET

Ascorbic Acid 99.0%

Product Name	Ascorbic Acid	**CAS No.**	50-81-7
Molecular Formula	C6H8O6	**Molecular Weight**	176.12

Test Item	Specification	Test Method
Appearance	White to slightly yellow crystalline powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification	Positive	IR
Assay (on dried basis)	≥ 99.0%	HPLC
Melting Point	190 - 192 °C	USP<741>
Specific Rotation	+20.5° to +21.5°	USP<781>
Loss on Drying	≤ 0.4%	USP<731>
Residue on Ignition	≤ 0.1%	USP<281>
Particle Size	NLT 90% through 60 mesh	USP<786>
Lead (Pb)	≤ 2.0 ppm	ICP-MS
Arsenic (As)	≤ 2.0 ppm	ICP-MS
Cadmium (Cd)	≤ 1.0 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>
E. coli	Negative	USP<2022>
Salmonella	Negative	USP<2022>

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. 05, 2026