

Certificate of Analysis

Product: Ascorbic Acid Powder
Item Number: ASAPU
Grade: USP/FCC
Lot Number: 1221270516
Manufacture Date: 12/18/2022
Expiration Date: 12/17/2025
Country of Origin: China

Tested Property	Specification	Analysis
Assay	99.0%~100.5%	99.7
Characteristics	White or almost white crystalline powder or colorless crystals	Pass
Solubility	Soluble in water, slightly soluble in ethanol, insoluble in chloroform	Pass
Identification A	Positive reaction	Pass
Identification B	IR	Pass
Melting point	About 190°C	190°C
pH (5%, W/V)	2.1~2.6	2.3
Loss on drying	≤0.1%	Pass
Residue on ignition	≤0.1%	<0.1%
Clarity of solution	Clear	Pass
Heavy metal	≤3ppm	<3ppm
Copper	≤5ppm	<5ppm
Iron	≤2ppm	<2ppm
Cadmium (ICP-MS)	≤1ppm	<1ppm
Mercury (ICP-MS)	≤1ppm	<1ppm
Lead (ICP-MS)	≤1ppm	<1ppm
Arsenic (ICP-MS)	≤1ppm	<1ppm
Total Plate Count	≤1000cfu/g	<1000cfu/g
Yeast and Molds	≤100cfu/g	<100cfu/g
Escherichia coli	Negative	Pass

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Salmonella	Negative	Pass
Staphylococcus Aureus	Negative	Pass
Residual solvents	Meets the requirement	Pass
Other Impurities	<1.0%	Pass

Ascorbic Acid Powder

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