

Certificate of Analysis

Product: Ascorbic Acid Powder, Kosher, Halal

Item Number: ASAPU

Grade: USP/FCC

Lot Number: 5001786/1.1

Manufacture Date: 03/12/2025

Expiration Date: 03/11/2029

Country of Origin: China

Tested Property	Specification	Analysis
Characteristics	White or almost white crystalline powder or colorless crystals	Pass
Assay	99.0-100.5%	99.7%
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	2.4
Loss on drying	≤0.1%	Pass
Residue on ignition	≤0.1%	<0.1%
Clarity of solution	Clear	Pass
Impurity A: Heavy metal	≤10ppm	<10ppm
Impurity B: Copper	≤5ppm	<5ppm
Impurity C	≤0.15%	<0.15%
Impurity D	≤0.15%	<0.15%
Impurity E	≤0.2%	<0.2%
Impurity F: Lead (ICP-MS)	≤0.1ppm	<0.1ppm
Impurity G: Arsenic (ICP-MS)	≤1ppm	<1ppm
Impurity H: Iron	≤2ppm	<2ppm
Impurity I: Cadmium (ICP-MS)	≤1ppm	<1ppm
Impurity J: Mercury (ICP-MS)	≤0.1ppm	<0.1ppm

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Impurity K: Lead (ICP-MS)	≤0.1ppm	<0.1ppm
Impurity L: Arsenic (ICP-MS)	≤1ppm	<1ppm
Unspecified impurities	≤0.10%	<0.10%
Total of impurities other than C and D	≤0.2%	<0.2%
Specific Rotation	+20.5° - +21.5°	+21.0°
Color of solution	≤BY	<BY
Total Plate Count	≤1000cfu/g	<1000cfu/g
Yeast and Molds	≤100cfu/g	<100cfu/g
Escherichia coli	Negative	Pass
Salmonella	Negative	Pass
Staphylococcus Aureus	Negative	Pass
Residual solvents	Meets requirements	Pass

Store in a cool, dry, and well-ventilated environment.
CAS RN: 50-81-7

[Ascorbic Acid Powder, Kosher, Halal](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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