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PRODUCT SPECIFICATION

产品规格书

Product Name	Ascorbic Acid BP USP FCC (Vitamin C)	**Grade / Model**	BP2019 / USP42 / FCC10 / EP8.8 / E300
CAS No.	50-81-7	**Executive Standard**	BP2019 / USP42 / FCC10 / EP8.8 / E300
Revision Date	2026-11-16	**HS Code**	No data available

No.	Item	Specification
1	Characteristics	White or almost white crystals / crystalline powder
2	Identification	Positive reaction
3	Melting point	About 190-192 °C
4	pH (5% water solution)	2.1-2.6
5	Clarity of solution	Clear
6	Colour of solution	≤BY7
7	Copper	≤5 ppm
8	Heavy metals	≤10 ppm
9	Mercury	≤0.1 mg/kg
10	Cadmium (Cd)	≤1 mg/kg
11	Lead	≤2 mg/kg
12	Arsenic	≤3 ppm
13	Oxalic acid	≤0.2%
14	Iron	≤2 ppm
15	Impurity E	≤0.2%
16	Loss on drying	≤0.4%
17	Sulphated ash (residue on ignition)	≤0.1%
18	Specific optical rotation	+20.5° to +21.5°
19	Residual solvents	Pass
20	Assay	99.0-100.5%

Remarks: Packing: No data available. Storage: Store in cool, dry, ventilated area away from heat and sunlight in tightly closed original container

Specification basis: Supplier COA/TDS specifications; public sources supplement the safety information. Final supply subject to Richest COA.