

Quality Specification of Ascorbic Acid

Product: **Ascorbic Acid (C₆H₈O₆)**

CAS Number: 50-81-7

Quality Standard: **EP/BP/USP/FCC**

Shelf Life: 3 Years

Item	Specification
Characteristics	White or almost white crystalline Powder
Identification	Positive
Clarity of Solution	Clear
Colour of solution	≤BY7
Melting Point	191°C~ 192°C
Assay	99.0% ~100.5 %
Acidity (pH)	2.2 to 2.5
Residue on Ignition	≤0.1%
Specific Rotation	+20.5 °C ~+21.5 °C
Heavy Metals	≤3 ppm
Lead (Pb)	≤ 2 ppm
Copper	≤ 0.0005%
Mercury	≤ 1 ppm
Iron	≤ 0.0002%
Oxalic Acid	≤0.2%
Loss on Drying	≤0.1%
Total Plate count	≤1000 cfu/g
Yeasts & Mould	≤ 100 cfu/g
Salmonella	Not detected
Staphylococcus Aureus	Not detected

Storage: Store in dry place and keep away from strong direct light and heat.

Note: The product is tested in accordance with EP/BP/USP/FCC quality standards.

An actual batch product's quality meets or is better than the specification requirements.