



PRODUCT SPECIFICATION

Product: Ascorbic Acid
CAS No: 50-81-7
Molec. Formula: $C_6H_8O_6$

Items	Specifications
Appearance	White crystalline powder
Melting point, °C	191 – 192
pH (5%, w/v)	2.2 – 2.5
pH (2%, w/v)	2.4 – 2.8
Specific Optical Rotation	+20.5° - +21.5°
Clarity and color of solution	Clear, ≤BY7
Heavy Metals, %	≤0.0003
Assay, %	99.0 – 100.5
Copper (ppm)	≤3.0
Iron (ppm)	≤2.0
Mercury (ppm)	≤1
Arsenic, %	≤0.0002
Lead, %	≤0.0002
Oxalic Acid, %	≤0.2
Loss on Drying, %	≤0.1
Sulfated ash, %	≤0.1
Residual Solvents (as methanol) (ppm)	≤500
Total plate count (cfu/g)	≤1000
Yeasts & Molds (cfu/g)	≤100
Escherichia. Coli	Absent n 1g
Salmonella	Absent in 25g
Staphylococcus Aureus	Absent in 25g