

Ascorbic Acid, Pharma.

C ₆ H ₈ O ₆	FW. 176.12	Density	= 1.65 g/cm ³
CAS-No.	50-81-7	Melting Point	190 °C
Code	BP1299		

Specifications

(Meets Ph.Eur, BP, USP/NF, JP, ACS)

Assay	99.0% - 100.5%
Appearance	White or almost white, crystalline powder or colorless crystals
Identity	Passes test
Clarity of Solution	Clear
Color of Solution	BY ₇ max.
Acidity (pH)	2.1 - 2.6
Acidity (pH) (2% aqueous solution)	2.4 - 2.8
Residue after Ignition	0.1% max.
Loss on Drying	0.2% max.
Specific Rotation	+20.5° to +21.5°
Solubility	Passes test
Oxalic Acid	0.2% max.
Related Substances	
- Impurity C	0.15% max.
- Impurity D	0.15% max.
- Unspecified Impurities	0.10% max.
- Total	0.2% max.
- Disregard limit	0.05% max.
Residual Solvent	
- Ethanol	0.5% max.
- Methanol	0.3% max.
Particle-Size	
- More than 40 mesh	30% max.
- Between 40 and 80 mesh	45% min.
Heavy metals (as Pb)	0.001% max.
Arsenic (As)	0.0003% max.
Copper (Cu)	0.0005% max.
Iron (Fe)	0.0002% max.
Lead (Pb)	0.0002% max.
Mercury (Hg)	0.0001% max.

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