

Certificate of Analysis

Product Name: Ascorbic acid

Standard: BP2016/USP39/FCC10/EP8.8/E300

Origin: China

Item	Standard	Results
Characteristics	White or almost White crystals Crystalline Powder	Pass
Identification	Positive Reaction	Positive
Melting Point	About 190°C-192°C	190.1°C
PH(with 2% water solution)	2.4-2.8	2.42
PH(with 5% water solution)	2.1-2.6	2.36
Clarity Of Solution	Clear	Clear
Colour Of Solution	≤BY ₇	<BY ₇
Copper	≤5ppm	<5ppm
Heavy Metals	≤10ppm	<10ppm
Mercury	≤0.1mg/kg	<0.1mg/kg
Lead	≤2mg/kg	<2mg/kg
Arsenic	≤3ppm	<3ppm
Oxalic Acid	≤0.2%	<0.2%
Iron	≤2ppm	<2ppm
Impurity E	≤0.2%	<0.2%
Loss of Drying	≤0.4%	<0.4%
Sulphate Ash(Residue On Ignition)	≤0.1%	<0.1%
Specific Optical Rotation	+20.5°—+21.5°	+21.24°
Residual Solvents	Pass	Pass
Assay	99.0%-100.5%	99.80%
Conclusion	The Above-Mentioned Product Conforms To BP2016/USP39/FCC10/EP8.8/E300	

Ascorbic acid COA