

Certificate of Analysis

Product Name:	Ascorbic Acid
Batch No.:	2019060203
Manufacturing Date:	2019.06.02
Expriy Date:	2022.06.01
Shelf life:	3 years

Items	Standard	Result
Appreance	white or almost white crystals crystalline powder	Pass
Identification	Positive Reaction	Positive
Melting Point	About 190°C	190.6°C
PH(with 2% water solution)	2.4-2.8	2.53
PH(with 5% water solution)	2.1-2.6	2.24
Clarity of Solution	Clear	Clear
Copper	≤ 5 ppm	<5 ppm
Arsenic	≤ 3 ppm	<3 ppm
Heavy Metals	≤ 10 ppm	<10 ppm
Mercury	≤ 0.1mg/kg	<0.1mg/kg
Lead	≤ 2mg/kg	<2mg/kg
Oxalic Acid	≤0.2%	<0.2%
Iron	≤2 ppm	<2 ppm
Impurity E	≤0.2%	<0.2%
Loss of Drying	≤0.4%	<0.4%
Sulphate Ash	≤0.1%	<0.1%
Specific Optical Rotation	+20.5° --+21.5°	+21.06°
Residual Solvents	Pass	Pass
Assay	99.0%-100.5%	99.72%
It conforms to BP2018/USP41		

