

# CERTIFICATE OF ANALYSIS



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Product Name	ASCORBIC ACID	
Analysis Standard	FCC/KOSHER/BP2012/E300/EP8.5	
Batch No.	190143037	
Order No.:	4590035821	
Quantity	12,000.00kgs	
Manufacture Date	DEC., 2019	
Expiry Date	NOV., 2022	
Net/Gross Weight	25.0kgs/26.3kgs	
Analysis Contents	Analysis Standard	Analysis Results
Characteristics	White or almost White crystals Crystalline Powder	Pass
Identification	Positive Reaction	Positive
Melting Point	About 190°C	190.9°C
PH(2% solution in water)	2.4-2.8	2.58
PH(5% solution in water)	2.1-2.6	2.34
Clarity Of Solution	Clear	Clear
Colour Of Solution	≤BY <sub>7</sub>	<BY <sub>7</sub>
Copper	≤5ppm	<2ppm
Heavy Metals	≤10ppm	<10ppm
Mercury	≤1ppm	<0.01ppm
Lead	<2ppm	<2ppm
Arsenic	≤3ppm	<3ppm
Cadmium(Cd)	<1mg/kg	<1mg/kg
Oxalic Acid	≤0.2%	<0.2%
Iron	≤2ppm	<2ppm
Loss of Drying	≤0.4%	<0.4%
Sulphate Ash(Residue On Ignition)	≤0.1%	<0.1%
Specific Optical Rotation	+20.5° - +21.5°	+21.06°
Organic Volatile Impurities	Pass	Pass
Assay	99.0%-100.5%	99.74%
Conclusion	<b>The Above-Mentioned Product Conforms To                  FCC/KOSHER/BP2012/E300/EP8.5</b>	

Approved by: Jia Jinfeng

Re-checker: Yang Dandan

Tester: Liu Bin

