

CERTIFICATE OF ANALYSIS

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Product Name	ASCORBIC ACID	
Analysis Standard	FCC/KOSHER/BP2012/E300/EP8.5	
Batch No.	190122206	
Order No.:	4657000376	
Quantity	22,000kgs	
Manufacture Date	May, 2019	
Expiry Date	Apr, 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	190.5°C
PH(2% solution in water)	2.4-2.8	2.60
PH(5% solution in water)	2.1-2.6	2.37
Clarity Of Solution	Clear	Clear
Colour Of Solution	≤BY ₁	<BY ₁
Copper	≤5ppm	<2ppm
Heavy Metals	≤10ppm	<10ppm
Mercury	≤1ppm	<0.01ppm
Lead	<2ppm	<2ppm
Arsenic	≤3ppm	<3ppm
Cadmium(Cd)	<1mg/kg	<1mg/kg
Impurity E	≤0.2%	<0.2%
Related Substances	Impurities C	<0.15%
	Impurities D	<0.15%
	Unspecified Impurities	<0.10%
	Total of impurities other than C and D	<0.2%
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° ~ +21.6°	+21.07°
Organic Volatile Impurities	Pass	Pass
Assay	98.0%-100.5%	99.78%
Conclusion	The Above-Mentioned Product Conforms To FCC/KOSHER/BP2012/E300/EP8.5	

Approved by: Jia Jinfeng

Rechecked: Liu Bin

Tester: Yang Dandan