



CERTIFICATE OF ANALYSIS

Date: FEB.10.2020

Product Name	ASCORBIC ACID	
Analysis Standard	BP2015/USP38/FCC9/EP9.8/E300	
Batch No.	3200112045	
Quantity	23000kg	
Manufacture Date/Expiry Date	FEB.2020/FEB.2023	
Shelf Life	3 Years	
Net/Gross Weight	25.0kgs/26.3kgs	
PO NO.	P19-17150/012	
Analysis Contents	Analysis Standard	Analysis Results
Characteristics	White or almost White crystals Crystalline Powder	Pass
Identification	Positive Reaction	Positive
Melting Point	About 190°C	190.8
PH	2.1-2.6	2.33
	2.4-2.8	2.42
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
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%
Related Substances	Impurity C	0.15% max
	Impurity D	0.15% max
	Unspecified Impurities	0.1% max
	Total	0.2% max
Impurity E	0.2% max	0.2% max
Specific Optical Rotation 25°C	+20.5° - +21.5°	+21.15°
Organic Volatile Impurities	Pass	Pass
Assay	99.0%-100.5%	99.78%
Mesh	40-80 mesh	About 70% between 40-80 mesh
Total Plate Count	100 cfu/g max	
E-coli	Negative	
Yeast and Mold	100 cfu/g max	
Pseudomonas	Negative	
Staphylococcus	Negative	
Salmonella	Negative	
Conclusion	The Above-Mentioned Product Conforms To BP2015/USP38/FCC9/EP9.8/ EU reg. 231/2012(E300)	

Approved by: Jia Jinfeng

Rechecker: Zhou Qian

Tester: Zhang Ju