



13-365219

CERTIFICATE OF ANALYSIS

SAP 44051

Date: Feb. 15, 2017

Product Name	ASCORBIC ACID
Analysis Standard	FCC/KOSHER/BP2012/E300
Batch No.	201702189
Order No.	4530150197
Quantity	22,000kgs
Manufacture Date	Feb. 2017
Expiry Date	Jan. 2020
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	2.37
Clarity Of Solution	Clear	Clear
Colour Of Solution	≤BY ₇	<BY ₇
Copper	≤5ppm	<5ppm
Heavy Metals	≤10ppm	<10ppm
Mercury	≤1ppm	<1ppm
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%	99.75%
Conclusion	The Above-Mentioned Product Conforms To FCC/KOSHER/BP2012/E300	

Approved by: Li Chenghui

Rechecker: Yang Aicheng

Tester: Li Ping

