

PREMIUM INGREDIENT CO.,LTD

Dongsheng Rd, Tianan Cyber park, High tech industrial development zone,
Jiangyin City, Jiangsu Province, China

CERTIFICATE OF ANALYSIS

Product Name	ASCORBIC ACID	
Analysis Standard	BP/USP/FCC/EP/E300	
Batch No.	Sample	
Shelf Life	3 Years	
Net/Gross Weight per package	25.0kgs/26.3kgs	
Analysis Contents	Analysis Standard	Analysis Results
Characteristics	White or almost White crystals Crystalline Powder	Pass
Solubility	Easily soluble in water	Pass
Identification	Positive Reaction	Positive
Melting Point	About 190°C	190.6 °C
PH (with 2% water solution)	2.4-2.8	2.46
PH (with 5% water solution)	2.1-2.6	2.38
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
Iron	≤2ppm	<2ppm
Cadmium (Cd)	<1mg/kg	<1mg/kg
Related Substances	Impurity C	0.15% max
	Impurity D	0.15% max
	Unknown Impurities	0.1% max
	Total	0.2% max
Impurity E (Oxalic Acid)	≤0.2%	<0.2%
Loss on Drying	≤0.4%	<0.4%
Sulphate Ash (Residue On Ignition)	≤0.1%	<0.1%
Specific Optical Rotation	+20.5° - +21.5°	21.08°
Residual Solvents(Methanol)	≤3000ppm	<3000ppm
Assay	99.0%-100.5%	99.72%
Conclusion	The Above-Mentioned Product Conforms To BP/USP/FCC/EP/E300	