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CERTIFICATE OF ANALYSIS

NO.LWPC-3C1-23-01-138 DATE OF CERTIFICATE: JAN.29.2023

Product Name	ASCORBIC ACID	Batch No.	3230111134
Analysis Standard	BP2016/USP43/EP8.8/FCC12/E300	Quantity	23mt/920 cartons
Manufacturing Date	JAN.27.2023	Po Number	88424
Expiry Date	JAN.26.2026	Container No.	GAOU2145180
CAS NO.	50-81-7	TARIFF CODE	29362700
Analysis Contents	Analysis Standard	Analysis Results	
Characteristics	White Crystalline Powder	PASS	
Identification	Positive Reaction	Positive Reaction	
Melting Point	About 190°C	190.6°C	
PH	2.4-2.8(2% Solution)	2.48	
	2.1-2.6(5% Solution)	2.36	
Clarity Of Solution	Clear	Clear	
Colour Of Solution	BY ₇ max	BY ₇ max	
Solubility in water	0.33g/ml	pass	
Copper	5ppm max	5ppm max	
Heavy Metals	10ppm max	5ppm max	
Lead	2ppm max	2ppm max	
Iron	2ppm max	2ppm max	
*Mercury	0.1ppm max	0.1ppm max	
Arsenic	1ppm max	1ppm max	
*Cadmium(Cd)	1ppm max	1ppm max	
Loss on Drying	≤0.4%	<0.4%	
Oxalic Acid	0.2% max	0.2% max	
Sulphate Ash	0.1% max	0.1% max	
*Related Substances	Impurity C	0.15% max	0.15% max
	Impurity D	0.15% max	0.15% max
	Unspecified Impurities	0.1% max	0.1% max
	Total	0.2% max	0.2% max
*Impurity E	0.2% max	0.2% max	
Specific Optical Rotation	+20.5° - +21.5°	+20.93°	
Residual Solvents	Pass	Pass	
Assay	99.0%-100.5%	99.57%	
*Total Plate Count	100 cfu/g max		
*E-coli	Negative in 10g		
*Yeast and Mold	100 cfu/g max		
*Pseudomonas	Negative in 25g		
*Staphylococcus	Negative in 25g		
*Salmonella	Negative in 25g		
Conclusion	The Above-Mentioned Product Conforms To BP2016/USP43/EP8.8/FCC12/E300		

Approved by: Jia jinfeng

Rechecker: Wang jing

Tester: Chen zi

