

CERTIFICATE OF ANALYSIS

LWPC-3C1-25-04-048

Date: APR. 14. 2025

Product Name	ASCORBIC ACID	Batch No.	3250121044
Analysis Standard	BP2023/USP2023/EP11/FCC12/E300	Quantity	18000KGS
Manufacture Date	APR. 07. 2025	Expiry Date	APR. 06. 2029

Analysis Contents	Analysis Standard	Analysis Method	Analysis Results
Characteristics	White or almost White crystals Crystalline Powder	Visual	Pass
Identification	Positive Reaction	IR	Positive
Melting Point	About 190°C	Melting point detector	191.0°C
PH(with 2% water Solution)	2.4-2.8	PH meter	2.55
PH(with 5% water solution)	2.1-2.6	PH meter	2.34
Clarity of Solution	Clear	Colorimetry	Clear
Colour of Solution	≤BY ₇	Colorimetry	<BY ₇
Copper	≤5ppm	AAS	<5ppm
Heavy Metals	≤10ppm	Colorimetry	<10ppm
Related Substances	Total impurity ≤0.2%	LC	<0.2%
Lead	≤0.5ppm	AAS	<0.5ppm
Arsenic	≤3ppm	Arsenic spot method	<3ppm
Oxalic Acid	≤0.2%	Turbidimetry	<0.2%
Iron	≤2ppm	AAS	<2ppm
Loss on Drying	≤0.4%	Weight-loss method	0.03%
Residue on Ignition	≤0.1%	Weight reduction method	0.03%
Specific Optical Rotation	+20.5° - +21.5°	Spectropolarimeter	+20.88°
Residual Solvents	Pass	GC	Pass
Assay	99.0%-100.5%	Redox titration	99.62%
Conclusion	The Above-Mentioned Product Conforms To BP2023/USP2023/EP11/FCC12/E300		

