

CERTIFICATE OF ANALYSIS

LWPC-1C1-22-10-031

Date: 22 FEB 2023

Product Name	ASCORBIC ACID	
Analysis Standard	BP/USP/EP/FCC/E300/EU 231 2012	
Batch No.	1220141030	
Quantity	18000kgs	
Manufacture Date	OCT 2022	
Expiry Date	SEP 2025	
Shelf Life	3 Years	
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	189°C-193°C	191.5°C
PH(5% solution in water)	2.1-2.6	2.37
PH(2% solution in water)	2.4-2.8	2.52
Clarity Of Solution	Clear	Clear
Colour Of Solution	≤BY ₇	<BY ₇
Copper	≤5ppm	<5ppm
Heavy Metals(as Pb)	≤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%
Related Substances	Impurity C	<0.15%
	Impurity D	<0.15%
	Unspecified impurities	<0.1%
	Total	<0.2%
Sulphate Ash(Residue On Ignition)	≤0.1%	<0.1%
Specific Optical Rotation	+20.5° - +21.5°	+21.01°
Organic Volatile Impurities	Pass	Pass
Assay	99.0%-100.5%	99.49%
Impurity E	≤0.2%	<0.2%
Residual Solvents	Pass	Pass
E-coli	Negative	Negative
Yeast and Mold	100 cfu/g max	100 cfu/g max
Pseudomonas	Negative	Negative
Staphylococcus	Negative	Negative
Salmonella	Negative	Negative
Conclusion	The Above-Mentioned Product Conforms To BP/USP/EP/FCC/E300/EU 231 2012	

For and on behalf of
鲁维制药集团有限公司
LUWEI PHARMACEUTICAL GROUP CO., LTD.

(Signature)

Authorized Signature(S)
Approved by: Feng chuanxiao

Rechecker: Jia jinfeng

Tester: Wangmengxue