

# LUWEI PHARMACEUTICAL GROUP CO., LTD.

Shuangfeng Industrial Park Zichuan District, Zibo City, Shandong China

CERTIFICATE NO.: LWPC-2C<sub>1</sub>-22-02-028

CERTIFICATE OF ANALYSIS		
		DATE: MAY.07, 2022
Product Name	ASCORBIC ACID	
Analysis Standard	BP/USP/EP/FCC/E300	
Batch No.	2220112026	
Quantity	18000kgs	
Manufacture Date	FEB., 2022	
Expiry Date	JAN., 2025	
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(5% solution in water)	2.1-2.6	2.34
PH(2% solution in water)	2.4-2.8	2.53
Clarity Of Solution	Clear	Clear
Colour Of Solution	≤BY <sub>7</sub>	<BY <sub>7</sub>
Copper	≤5ppm	<5ppm
Heavy Metals	≤10ppm	<10ppm
Mercury	≤0.1ppm	<0.1ppm
Lead	≤2ppm	<2ppm
Fe	≤2ppm	<2ppm
Arsenic	≤3ppm	<3ppm
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°	+21.13°
Organic Volatile Impurities	Pass	Pass
Assay	99.0%-100.5%	99.79%
Conclusion	The Above-Mentioned Product Conforms To BP/USP/EP/FCC/E300	

