魯維制藥集團有限公司
Luwei Pharmaceutical Group Co.,Ltd.
Shuangfeng Industrial Park Zichuan District Zibo 255086 China
Tel: 0086 533 6220986 Fax: 0086 533 6220993

CERTIFICATE OF ANALYSIS

LWPC-1C1-21-07-069	Date: 15 OCT ,2021	
Product Name	ASCORBIC ACID	
Analysis Standard	BP/USP/EP/E300	
Batch No.	1210133097	
Quantity	22000kgs	
Manufacture Date	SEP 2021	
Expiry Date	AUG 2024	
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℃	191.2℃
PH（5% aqueous solution）	2.1-2.6	2.35
PH（2 % aqueous solution)	2.4-2.8	2.54
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	<2ppm	<2ppm
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%
Sulphate Ash(Residue On Ignition)	≤0.1%	<0.1%
Specific Optical Rotation	+20.5° - +21.5°	+21.11°
Organic Volatile Impurities	Pass	Pass
Impurity E	≤0.2%	<0.2%
Related Substances — Impurity C	<0.15%	<0.15%
Related Substances — Impurity D	<0.15%	<0.15%
Related Substances — Unspecified	<0.1%	<0.1%
Related Substances — Total	<0.2%	<0.2%

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Total Plate Count	100 cfu/g max	
E-coli	Negative	
Yeast and Mold	100 cfu/g max	
Pseudomonas	Negative	
Staphylococcus	Negative	
Salmonella	Negative	
Colour reaction	Pass test	
Reducing reaction	Pass test	
Assay	99.0%-100.5%	99.76%
Conclusion	**The Above-Mentioned Product Conforms To BP/USP/EP/E300**	

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

Authorized Signture(S)

Approved by:Fengchunxiao Rechecker:Jiajinfeng Tester:Liping