

**LUWEI PHARMACEUTICAL GROUP CO.,LTD.**

Shuangfeng Industrial Park,Zichuan District,Zibo City,Shandong,China

<b>CERTIFICATE OF ANALYSIS</b>			
Product Name	ASCORBIC ACID	Batch No.	1210141034
Analysis Standard	BP/USP/EP/FCC/E300	Quantity	18000KGS
Manufacture Date	OCT.2021	Expiry Date	SEP.2024

Analysis Contents	Analysis Standard	Analysis Results
Characteristics	White or almost White crystals Crystalline Powder	Pass
Identification	Positive Reaction	Positive
Melting Point	About 190℃	190.8℃
PH(with 2% water solution)	2.4-2.8	2.45
PH(with 5% water solution)	2.1-2.6	2.37
Clarity Of Solution	Clear	Clear
Colour Of Solution	≤BY <sub>7</sub>	<BY <sub>7</sub>
Copper	≤5ppm	<5ppm
Heavy Metals	≤10ppm	<10ppm
Mercury	≤0.1mg/kg	<0.1mg/kg
Lead	≤2mg/kg	<2mg/kg
Arsenic	≤3ppm	<3ppm
Oxalic Acid	≤0.2%	<0.2%
Iron	≤2ppm	<2ppm
Impurity E	≤0.2%	<0.2%
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°
Residual Solvents	Pass	Pass
Assay	99.0%-100.5%	99.71%
Conclusion	The Above-Mentioned Product Conforms To BP/USP/EP/FCC/E300	

Approved by: JIA JINFENG  
LWPC-1C1-21-10-036

Rechecker: WANG JING      Tester: CHEN ZI

Authorized Signature(S)