

**SHANDONG LUWEI PHARMACEUTICAL CO.,LTD.**  
Shuangfeng Industrial Park,Zichuan District,Zibo City,Shandong,China

CERTIFICATE OF ANALYSIS			
Date of certificate: JUL.04,2018			
Product Name	VITAMIN C	Batch No.	1807074
Analysis Standard	BP2016/USP39	Quantity	5000KGS
Manufacture Date	JUL.04.2018	Expiry Date	JUL.03.2020

Analysis Contents	Analysis Standard	Analysis Results
Characteristics	White or almost White crystals Crystalline Powder	Pass
Identification	Positive Reaction	Positive
Melting Point	About 190°C	190.5°C
PH(with 2% water solution)	2.4-2.8	2.25
PH(with 5% water solution)	2.1-2.6	2.45
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	≤2ppm	<2ppm
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°	+21.00°
Residual Solvents	Pass	Pass
Assay	99.0%-100.5%	99.80%
Conclusion	The Above-Mentioned Product Conforms to BP2016/USP39	

Approved by: LiChenghui

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Tester: WangJing