



鲁维制药集团有限公司

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CERTIFICATE OF ANALYSIS

LWPC-2C1-21-05-006

Date: 2 JULY 2021

Product Name	ASCORBIC ACID	
Analysis Standard	BP/USP/EP/FCC/E300/EU 231 2012	
Batch No.	2210122004	
Quantity	18000kgs	
Manufacture Date	MAY 2021	
Expiry Date	APR 2024	
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	190.9°C
PH(5% solution in water)	2.1-2.6	2.36
PH(2% solution in water)	2.4-2.8	2.50
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%
Sulphate Ash(Residue On Ignition)	≤0.1%	<0.1%
Specific Optical Rotation	+20.5° - +21.5°	+21.05°
Organic Volatile Impurities	Pass	Pass
Assay	99.0%-100.5%	99.71%
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.

Feng chuanxiao
Authorized Signiture(S)

Rechecker: Jia jinfeng

Tester: Wangmengxue