



# CERTIFICATE OF ANALYSIS

鲁维制药集团有限公司

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Product Name		ASCORBIC ACID	
Analysis Standard		BP/USP/EP/FCC/E300/EU 231 2012	
Batch No.		2230133007	
Quantity		18000kgs	
Manufacture Date		SEP 2023	
Expiry Date		AUG 2026	
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	191.3°C
PH(5% solution in water)		2.1-2.6	2.37
PH(2% solution in water)		2.4-2.8	2.58
Clarity Of Solution		Clear	Clear
Colour Of Solution		≤BY <sub>7</sub>	<BY <sub>7</sub>
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%
Related Substances	Impurity C	<0.15%	<0.15%
	Impurity D	<0.15%	<0.15%
	Unspecified impurities	<0.1%	<0.1%
	Total	<0.2%	<0.2%
Sulphate Ash(Residue On Ignition)		≤0.1%	<0.1%
Specific Optical Rotation		+20.5° - +21.5°	+20.96°
Organic Volatile Impurities		Pass	Pass
Assay		99.0%-100.5%	99.66%
Conclusion		The Above-Mentioned Product Conforms To BP/USP/EP/FCC/E300/EU 231 2012	

Approved by: Feng chuanxiao

Rechecker: Jia jinfeng

Tester: Wangmengxue

