



鲁维制药集团有限公司

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CERTIFICATE OF ANALYSIS

NO.:LWPC-3C1-23-12-014		Date:Mar.22,2024	
Product Name		ASCORBIC ACID	
Analysis Standard		FCC/KOSHER/BP2019/E300/EP9.3/USP43	
Batch No.		3230143008	
PO Number		75403727	
Quantity		18,000kgs	
Manufacture Date		Dec.2023	
Expiry Date		Nov.2027	
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°C	191.10°C
PH(2% solution in water)		2.4-2.8	2.57
PH(5% solution in water)		2.1-2.6	2.36
Clarity Of Solution		Clear	Clear
Colour Of Solution		≤BY ₇	<BY ₇
Copper		≤5ppm	<5ppm
Heavy Metals		≤10ppm	<10ppm
Mercury		≤1ppm	<1ppm
Lead		<2ppm	<2ppm
Arsenic		≤3ppm	<3ppm
Cadmium(Cd)		<1mg/kg	<1mg/kg
Impurity E		≤0.2%	<0.2%
Related Substances	Impurities C	≤0.15%	<0.15%
	Impurities D	≤0.15%	<0.15%
	Unspecified Impurities	≤0.10%	<0.10%
	Total of impurities other than C and D	≤0.2%	<0.2%
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°	+20.90°
Organic Volatile Impurities		Pass	Pass
Assay		99.0%-100.5%	99.68%
Conclusion		The Above-Mentioned Product Conforms To FCC/KOSHER/BP2019/E300/EP9.3/USP43	

Approved by:Jia Jinfeng

Rechecker:Cao [Panpan

Tester:Chen Xiaoxiao