



LUWEI PHARMACEUTICAL GROUP CO., LTD

SHUANGFENG INDUSTRIAL PARK, ZICHUAN DISTRICT, ZIBO CITY, SHANDONG, CHI

**CERTIFICATE OF QUALITY**

Date : Apr,2024

Product Name	ASCORBIC ACID		
Analysis Standard	BP2019/USP41/FCC10/E300		
BATCH NO.:	3240121023		
Quantity	18000KGS		
Cas Number	50-81-7		
Manufacture Date	01 / APR / 2024		
Expiry Date	31 / MAR / 2028		
Shelf Life	4Years		
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	191.1°C	
PH	2.1-2.6 (5% solution)	2.36	
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	
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,d	≤0.15%	<0.15%
	Unspecified Impurity	≤0.1%	<0.1%
	Total	≤0.2%	<0.2%
	Disregard Limit	≤0.05	<0.05
Specific Optical Rotation	+20.5° - +21.5°	+20.97°	
Residual Solvents	Pass	Pass	
Sulphate Ash(Residue On Ignition)	≤0.1%	<0.1%	
Impurity E	≤0.2%	<0.2%	
Organic Volatile Impurities	Pass	Pass	
Assay	99.0%-100.5%	99.69%	
Total plate count	≤100cfu/g	<100cfu/g	
E-coli	Negative	Negative	
Yeaste&molds	≤100cfu/g	<100cfu/g	
Pseudomonas	Negative	Negative	
Staphylococcus	Negative	Negative	
Salmonella	Negative	Negative	
Conclusion	The Above-Mentioned Product Conforms To Be BP2019/USP41/FCC10/E300		