

LUWEI PHARMACEUTICAL GROUP CO.,LTD.

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

CERTIFICATE OF ANALYSIS

LWPC-3C1-23-05-087

Commodity: ASCORBIC ACID

Date: JAN 5. 2024

Batch No.: 3230122135

Manufacture Date: MAY 24. 2023

Expiry Date:

MAY 23. 2026

Analysis Contents	Analysis Standard	Analysis Results
Characteristics	White or almost White crystals Crystalline Powder	Pass
Identification	Positive Reaction	Positive
Melting Point	About 190.0°C	191.20°C
PH(5% aqueous solution)	2.1-2.6	2.37
Clarity Of Solution	Clear	Clear
Colour Of Solution	≤BY ₇	<BY ₇
Copper	≤5ppm	<5ppm
Heavy Metals	≤10ppm	<10ppm
Mercury	<1mg/kg	<1mg/kg
Lead	<2mg/kg	<2mg/kg
Arsenic	≤3ppm	<3ppm
Oxalic Acid	≤0.2%	<0.2%
Iron	≤2ppm	<2ppm
Cadmium	≤1mg/kg	<1mg/kg
Impurity E	≤0.2%	<0.2%
Loss on Drying	≤0.4%	0.03%
Sulphate Ash(Residue On Ignition)	≤0.1%	<0.1%
Specific Optical Rotation	+20.5°--+21.5°	+20.94°
Organic Volatile Impurities	Pass	Pass
Assay	99.0% -100.5%	99.64%
Total plate count	≤1000cfu/g	<100cfu/g
Yeasts & molds	≤100cfu/g	<10cfu/g
E-coli	Negative	Negative
Conclusion:	The Above-Mentioned Product Conforms To BP/USP/EP/FCC/E300	

Authorized Signature(S)