LUWEI PHARMACEUTICAL GROUP CO.,LTD.

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

CERTIFICATE OF ANALYSIS

LWPC-1C1-25-07-113

Commodity: ASCORBIC ACID
Batch No.: 1250131109
Quantity: 18000kgs

Date: AUG 5. 2025
Manufacture Date: JUL. 2025
Expiry Date: JUN. 2029

Analysis Contents	Analysis Standard	Analysis Results
Characteristics	White or almost White crystals Crystalline Powder	Pass
Identification	Positive Reaction	Positive
Melting Point	About 190.0℃	191.40℃
PH(5% aqueous solution)	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	<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°	+20.91°
Organic Volatile Impurities	Pass	Pass
Ascorbic Acid	99.0% -100.5%	99.60%
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**	

For and on behalf of
鲁维制药集团有限公司
LUWEI PHARMACEUTICAL GROUP

Authorized Signture(S)

LUWEI PHARMACEUTICAL GROUP CO.,LTD.

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

CERTIFICATE OF ANALYSIS

LWPC-1C1-25-07-116

Commodity: ASCORBIC ACID Date: AUG. 2025

Batch No.: 1250131110 Manufacture Date: JUL. 2025

Quantity: 9250kgs Expiry Date: JUN. 2029

Analysis Contents	Analysis Standard	Analysis Results
Characteristics	White or almost White crystals Crystalline Powder	Pass
Identification	Positive Reaction	Positive
Melting Point	About 190.0℃	191.40℃
PH(5% aqueous solution)	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	<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°	+20.91°
Organic Volatile Impurities	Pass	Pass
Ascorbic Acid	99.0% -100.5%	99.60%
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**	

For and on behalf of
鲁维制药集团有限公司
LUWEI PHARMACEUTICAL GROUP CO.,LTD.

Authorized Signture(S)