

**CERTIFICATE OF ANALYSIS**

LWPC-3C1-23-10-180

Date:20, Feb. 2024

Product Name	ASCORBIC ACID	Batch No.	3230141177
Analysis Standard	BP2016/USP39/FCC10/EP8.8/E300	Quantity	18000KGS
Manufacture Date	Oct .01, 2023	Expiry Date	Sept.30,2027

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(with 2% water solution)	2.4-2.8	2.57
PH(with 5% water 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	≤0.1mg/kg	<0.1mg/kg
Lead	≤2mg/kg	<2mg/kg
Arsenic	≤3ppm	<3ppm
Oxalic Acid	≤0.2%	<0.2%
Iron	≤2ppm	<2ppm
Cadmium(Cd)	<1mg/kg	<1mg/kg
Related substances	Impurity C: ≤0.10% Impurity D: ≤0.10% Impurity E: ≤0.20% Unspecified Impurities: ≤0.10% Total Impurities: ≤0.20%	<0.1% <0.1% <0.2% Less than disregard limit <0.2%
Loss of Drying	≤0.4%	0.04%
Particle Size	40-80 mesh	Pass
Sulphate Ash(Residue On Ignition)	≤0.1%	0.05%
Specific Optical Rotation	+20.5° - +21.5°	20.89°
Residual Solvents (methanol)	Pass	Pass
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
Assay	99.0%-100.5%	99.64%
Conclusion	The Above-Mentioned Product Conforms To BP2016/USP39/FCC10/EP8.8/E300	

Approved by:Jia Jinfeng

Rechecker:Zhang Ju

Tester:Li Li



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CERTIFICATE OF ANALYSIS

LWPC-3C1-23-10-179		Date:20, Feb. 2024	
Product Name	ASCORBIC ACID	Batch No.	3230141176
Analysis Standard	BP2016/USP39/FCC10/EP8.8/E300	Quantity	4000KGS
Manufacture Date	Oct .01,2023	Expiry Date	Sept.30,2027
Analysis Contents	Analysis Standard	Analysis Results	
Characteristics	White or almost White crystals Crystalline Powder	Pass	
Identification	Positive Reaction	Positive	
Melting Point	About 190°C	191.3°C	
PH(with 2% water solution)	2.4-2.8	2.56	
PH(with 5% water solution)	2.1-2.6	2.35	
Clarity Of Solution	Clear	Clear	
Colour Of Solution	≤BY ₇	<BY ₇	
Copper	≤5ppm	<5ppm	
Heavy Metals	≤10ppm	<10ppm	
Mercury	≤0.1mg/kg	<0.1mg/kg	
Lead	≤2mg/kg	<2mg/kg	
Arsenic	≤3ppm	<3ppm	
Oxalic Acid	≤0.2%	<0.2%	
Iron	≤2ppm	<2ppm	
Cadmium(Cd)	<1mg/kg	<1mg/kg	
Related substances	Impurity C: ≤0.10% Impurity D: ≤0.10% Impurity E: ≤0.20% Unspecified Impurities: ≤0.10% Total Impurities: ≤0.20%	Less than disregard limit <0.1% <0.1% <0.2% <0.2%	
Loss of Drying	≤0.4%	0.04%	
Particle Size	40-80 mesh	Pass	
Sulphate Ash(Residue On Ignition)	≤0.1%	0.05%	
Specific Optical Rotation	+20.5° - +21.5°	20.97°	
Residual Solvents (methanol)	Pass	Pass	
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	
Assay	99.0%-100.5%	99.62%	
Conclusion	The Above-Mentioned Product Conforms To BP2016/USP39/FCC10/EP8.8/E300		



Approved by: Jia Jinfeng

Rechecker: Zhang Ju

Tester: Li Li