

**ACROSS BIOTECH**

MAKE A DIFFERENCE

Certificate of Analysis

Product:	Ascorbic acid pharm grade	Cas No.:	50-81-7
Quantity:	3 MTs	Package:	25kg/carton
MFG Date:	2021/7/18	Batch No.:	2021071803
EXP Date:	2024/7/16	Standard:	EP/BP/USP/JP

Item	Specification	Result
Characteristics	White or almost White crystals Crystalline Powder	Conform
Identification	Positive Reaction	Conform
Melting Point	About 190°C-192°C	Conform
PH(with 5% water solution)	2.1-2.6	2.3
Clarity Of Solution	Clear	Clear
Colour Of Solution	≤BY ₇	Conform
Copper	≤5ppm	<5ppm
Heavy Metals	≤3ppm	<3ppm
Iron	≤2ppm	<2ppm
Oxalic Acid	≤0.05%	<0.05%
Loss of Drying	≤0.2%	0.03%
Sulphate Ash(Residue On Ignition)	≤0.1%	0.02%
Specific Optical Rotation	+20.5°--+21.5°	+21°
Residual Solvents	Methanol≤0.3%	0.008%
Related substances	Impurity C: ≤0.15% Impurity D: ≤0.15% Unspecified impurities: ≤0.15% Total impurities other than C, D: ≤0.2%	Not detected 0.03% Less than disregard limit Less than disregard limit
Particle-size	NMT 30%, larger than 40 mesh MT 45% between 40-80 mesh	7% 75%
Total aerobic microbial	≤1000 cfu/g	<10 cfu/g



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count		
Yeasts and moulds	≤100 cfu/g	<10 cfu/g
Escherichia coli	N.D.	Not detected
Staphylococcus aureus	N.D.	Not detected
Salmonella	N.D.	Not detected
Assay	99.0%-100.5%	99.8%

Inspector: Meng Cheng

Checker: Yun Li