



TYPICAL ANALYSIS Sample Certificate of Analysis

Product Name Analysis Standard	ASCORBIC ACID BP/USP/EP/FCC/E300
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<u>Analysis Contents</u>	<u>Analysis Standard</u>	<u>Analysis Results</u>
Characteristics	White or almost White crystals Crystalline Powder	Pass
Identification	Positive Reaction	Positive
Melting Point	About 190°C	191.1°C
PH(5% solution in water)	2.1-2.6	2.34
PH(2% solution in water)	2.4-2.8	2.45
Clarity Of Solution	Clear	Clear
Colour Of Solution	≤BY7	<BY7
Copper	≤ 5ppm	<5ppm
Heavy Metals	≤10ppm	<10ppm
Mercury	≤0.1ppm	<0.1ppm
Lead	≤2ppm	<2ppm
Fe	≤2ppm	<2ppm
Arsenic	≤3ppm	<3ppm
Oxalic Acid	≤0.2%	<0.2%
Loss on Drying	≤0.4%	<0.4%
Sulphate Ash(Residue On Ignition)	≤0.1 %	<0.1%
Specific Optical Rotation	+20.5 [°] -+21.5 [°]	+21.01 [°]
Organic Volatile Impurities	Pass	Pass
Assay	99.0%-100.5%	99.84%
Total plate count	≤100cfu/g	<100cfu/g
E-coli	Negative	Negative
Yeast & Molds	≤100cfu/g	<100cfu/g
Pseudomonas	Negative	Negative
Staphylococcus	Negative	Negative
Salmonella	Negative	Negative
Methanol	<100ppm	<100ppm

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