

CERTIFICATE OF ANALYSIS

Product Name	Ascorbic Acid (Vitamin C)		
Batch Number	20220312	Manufacture Date	20220312
Report Date	20220312	Expiry Date	20240311

Item of Analysis	Specification	Results	Method
Assay	99.0 % - 100.5 %	99.99%	HPLC
Appearance	Powder	Conform	HE-QCS-1008
Color	White or almost white crystals Crystalline Powder	Conform	GB/T 5492-2008
Identification	Positive reaction	Conform	/
Melting point	about 190°C	Conform	
PH (2 % solution in water)	2.4 – 2.8	2.6	/
PH (5 % solution in water)	2.1 – 2.6	2.4	GB/T 5507-2008
Loss of drying	≤ 0.4 %	0.08%	AOAC 942.05, 18th
Sulphate ash (residue on ignition)	≤ 0.1 %	Conform	/
Specific optical rotation	+20.5° - +21.5°	+20.9°	/
Heavy metals	≤ 10 ppm	Conform	USP <231>, method II
Mercury	< 0.1 mg/kg	Conform	AOAC 986.15, 18th
Lead	≤ 3 ppm	Conform	AOAC 986.15, 18th
Cadmium (Cd)	< 1 mg/kg	Conform	AOAC 986.15, 18th

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

