

## Specification Of Ascorbic Acid

Testing Item	Standard	Result
Assay	99.0% - 100.5%	99.72%
Appearance	White or almost white crystals Crystalline Powder	Pass
Solubity	Easily soluble in water	Pass
Identification	Positive Reaction	Positive
Melting Point	About 190°C	190.6°C
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
Impurity E	≤ 0.2%	< 0.2%



Loss on drying	$\leq 0.4\%$	0.4%
Sulphate Ash (Residue on Ignition)	$\leq 0.1\%$	$< 0.1\%$
Specific Optical Rotation	$+20.5^\circ - +21.5^\circ$	$21.08^\circ$

