



PRODUCT SPECIFICATION

Product : **Ascorbic Acid (Vitamin C)**

Appearance	:	White or almost white crystals Crystalline Powder
Identification	:	Positive reaction
Melting point	:	about 190°C
PH (2 % solution in water)	:	2.4 – 2.8
PH (5 % solution in water)	:	2.1 – 2.6
Clarity of solution	:	Clear
Colour of solution	:	≤ BY7
Copper	:	≤ 5 ppm
Heavy metals	:	≤ 10 ppm
Mercury	:	< 0.1 mg/kg
Lead	:	≤ 3 ppm
Cadmium (Cd)	:	< 1 mg/kg
Oxalic Acid	:	≤ 0.2 %
Iron	:	≤ 2 ppm
Loss of drying	:	≤ 0.4 %
Sulphate ash (residue on ignition)	:	≤ 0.1 %
Specific optical rotation	:	+20.5° - +21.5°
Organic volatile impurities	:	pass
Assay	:	99.0 % - 100.5 %
Impurity-C	:	negative
MSDS	:	available upon request