



Tau Chemicals Inc



TECHNICAL DATA SHEET

PRODUCT Ascorbic Acid
STANDARD FCCIV, USP & BP

TECHNICAL SPECIFICATION

Identification	Positive reaction
Appearance	White crystalline
Purity, %	99.0-100.5
Loss on dry, %	0.4Max
Residue on ignition, %	0.1Max
Melting point	190 min °C
pH (solution 1 in 50)	2.1 ~ 2.6
Humidity, %	0.1 Max
Color of solution	BY7 max
Clarity of solution	Clear
Copper	5ppm Max
Solubility in water (at 25 ° C)	24.5g-25g/L
Heavy metals	10ppm Max
Mercury	0.1mg/kg max
Lead	2mg/kg Max
Arsenic (as As)	3ppm Max
Zinc	2ppm Max
Cadmium (CD)	<1 mg/kg
Oxalic acid, %	0.2 Max
Iron	2ppm Max
Loss on drying, %	0.4 Max
Sulphated ash (Residue on Ignation)	0.1Max
Specific optical rotation	+20.5° ~ +21.5°
Organic volatile impurities	Pass

Statement: We hereby certify that Ascorbic Acid meet the requirement of British Pharmacopeia 200, United States Pharmacopoeia 29, German Pharmacopoeia 10, European Pharmacopeia 5th, FCCIV & E300 standard and GMO free.