

CERTIFICATE OF ANALYSIS
Ascorbic Acid

CERTIFICATE OF SPECIFICATION & ANALYSIS		
ANALYSIS ITEMS	SPECIFICATION	RESULTS
Appearance	White or Off White Crystals or Crystalline Powder	Visual
Identification	Positive	Conforms
Assay	99%-100.5%	99.40%
Melting Point	191°C -192°C	191°C
Clarity of Solution	Clear	Conforms
Color of Solution	≤BY ₇	Conforms
pH	2.2-2.5	2.36
Residue on Ignition	≤0.1%	0.03%
Specific Rotation	+20.5° ~ +21.5°	+21.3°
Loss on Drying	<0.4%	0.02%
Particle Size	≤30% not thru 40mesh	3%
	≥45% thru between 40-80mesh	86%
Oxalic Acid	≤0.2%	Conforms
Heavy Metals	≤0.0003%	Conforms
Iron	≤0.0002%	Conforms
Lead	≤2ppm	Conforms
Copper	≤0.0005%	Conforms
Microbiology Control		
Total Plate Count	≤1000cfu /g	Conforms
Mold & Yeast	≤100cfu/g	Conforms
Salmonella	Negative	Conforms
E.Coli	Negative	Conforms
Staphylococcus Aureus	Negative	Conforms

Storage: in cool and dry place.
Conclusion: conforms with USP standards.

* Data based on manufacturer's document

John

Quality Control

