



## PRODUCT SPECIFICATION SHEET

### Ascorbic Acid

Powder, USP/FCC/Food Grade, Kosher

Test	Specification	Typical Results
Assay	99.0% ~ 100.5%	99.0% ~ 100.5%
Identification	Positive	Positive
Solubility	Freely soluble in water, slightly soluble in ethanol, insoluble in chloroform	Freely soluble in water, slightly soluble in ethanol, insoluble in chloroform
Clarity of solution	Clear	Clear
Color of solution	≤ BY 7	≤ BY 7
Loss on drying	≤ 0.1%	≤ 0.1%
Specific rotation	+20.5° to +21.5°	+20.5° to +21.5°
pH (5%, W/V)	2.1 ~ 2.6	2.1 ~ 2.6
pH (2%, W/V)	2.4 ~ 2.8	2.4 ~ 2.8
Melting point	About 190°C	About 190°C
Residual on ignition	≤ 0.1%	≤ 0.1%
Impurity E	≤ 0.2%	≤ 0.2%
Impurity C	≤ 0.15%	≤ 0.15%
Impurity D	≤ 0.15%	≤ 0.15%
Unspecified impurities	≤ 0.10%	≤ 0.10%
Total of impurities other than C&D	≤ 0.2%	≤ 0.2%
Heavy metal	≤ 10ppm	≤ 10ppm
Copper	≤ 5ppm	≤ 5ppm
Iron	≤ 2ppm	≤ 2ppm
Cadmium	≤ 1ppm	≤ 1ppm

Mercury	≤ 1ppm	≤ 1ppm
Lead	≤ 1ppm	≤ 1ppm
Arsenic	≤ 1ppm	≤ 1ppm
Total Plate Count	≤ 1000cfu/g	≤ 1000cfu/g
Yeast and Molds	≤ 100cfu/g	≤ 100cfu/g
Escherichia coli	Absence in 1g	Absence in 1g
Salmonella	Absence in 25g	Absence in 25g
Staphylococcus Aureus	Absence in 25g	Absence in 25g
Residual solvents	Meets requirement	Meets requirement

Appropriate/legal use of this product is the responsibility of the user