

## 1706 – VITAMIN C (L-ASCORBIC ACID)

Ref No: TBL/QA/SS/LC/1706	STANDARD SPECIFICATION FOR VITAMIN C (L-ASCORBIC ACID)	Rev. No: 03
Issue No: 04		Review Date: 31/10/2024
Issue Date: 01/11/2021		Product code: 1706

### PRODUCT PROPERTIES

C.A.S Number	50-81-7
Chemical Formula	C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>
Formula weight	176.12
Functional Uses	L-Ascorbic acid in cell culture applications as an antioxidant and to regenerate tocopherol. It has been used as osteopenia supplement for the growth of cells
Standard Packaging	100 gm., 500 gm.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White to pale yellow crystals or powder

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Specific Optical Rotation	+20.5° to + 21.5°
Oxalic acid	NMT – 0.3%
Sulphated Ash	NMT – 0.1%
Heavy Metals (Pb)	NMT – 20 ppm
Assay	NLT – 99.0%

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.