

5113– L-ASCORBIC ACID (FOOD GRADE)

REF NO: TBL/QA/SS/F/5113	STANDARD SPECIFICATION FOR L-ASCORBIC ACID (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date:07/02/2022		Product code: 5113

PRODUCT PROPERTIES

C.A.S Number	50-81-7
Chemical Formula	C ₆ H ₈ O ₆
Formula weight	176.12
Functional Uses	L-Ascorbic Acid is used as Antioxidant
Standard Packaging	25 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White or almost white odorless crystalline powder.
Solubility	Freely soluble in water; sparingly soluble in ethanol; insoluble in ether.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Specific Optical Rotation	+20.5° to + 21.5°
Loss On Drying	NMT – 0.4%
pH (2% (m/v) soln.)	2.4 – 2.8
Sulphated Ash	NMT – 0.1%
Lead (Pb)	NMT – 2 mg/kg
Assay	NLT – 99.0%

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

