

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : L-Ascorbic Acid AR (For Biochemistry)

Catalog Number : O-5104

Batch Number : 5104-00000000

CAS Number : 50-81-7

Molecular Weight : 176.13 g/mol

Mol. Formula : $C_6H_8O_6$

Expire Date : 48 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	Colourless or white to pale yellow crystalline powder	white crystalline powder
2	Assay (iodometric)	min 99.5 %	99.87%
3	Specific rotation $[(\alpha)_{20/D, 10\% \text{ solution}}]$	+20.5° to +21.5°	+20.5°
4	Solubility	10% in water is clear and almost colourless	passes test
5	Loss on drying at 105 °C	max 0.1 %	0.049%
6	Sulphated ash	max 0.1 %	0.027%
7	Chloride (Cl)	max 0.005 %	0.00069%
8	Sulphate (SO ₄)	max 0.002 %	0.0011%
9	Heavy metals (as Pb)	max 0.001 %	0.00031%
10	Iron (Fe)	max 0.0005 %	< 0.0005 %

LABOTIQ® L-Ascorbic Acid AR (For Biochemistry)**Description:**

High-purity biochemical reagent suitable for biochemical and analytical laboratory applications.

Intended Use:

For biochemical and analytical laboratory use. Not intended for human or veterinary use.

Traceability Information :

Specification Reference: LABOTIQ Product Specification, established with reference to applicable reagent-grade and biochemical reagent requirements.

SUDIRO S.Si.
Manager QC