

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Citric Acid Anhydrous 99.5% AR

Catalog Number : O-5237

Batch Number : 5237-00000000

CAS Number : 77-92-9

Molecular Weight : 192,12 g/mol

Mol. Formula : $C_6H_8O_7$

Expire Date : 60 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	White to almost white ,fine powder or crystalline powder	White crystalline powder
2	Assay (alkalimetric)	99.5 – 100.5 %	100.04%
3	Identity (IR Spectrum)	Passes test	Passes test
4	Insoluble matter in water	max 0.005 %	0.0012%
5	Chloride (Cl)	max 0.001 %	0.0003%
6	Iron (Fe)	max 0.0003 %	0.000017%
7	Sulphate (SO ₄)	max 0.005 %	0.0011%
8	Phosphate (PO ₄)	max 0.001 %	0.0008%
9	Heavy metals (as Pb)	max 0.0005 %	0.000029%
10	Arsenic (As)	max 0.0001 %	0.00005%
11	Mercury (Hg)	max 0.0001 %	0.00007%
12	Lead (Pb)	max 0.0002 %	0.00006%
13	Oxalate (as C ₂ H ₂ O ₄)	Passes test	Passes test
14	Aluminium (Al)	max 0.00002 %	< 0.00002 %
15	Sulphated ash (600 °C)	max 0.05 %	0.025%
16	Substances carbonizable by hot H ₂ SO ₄	passes test	Passes test
17	Water (by Karl Fischer)	max 0.5 %	0.23%

Corresponds to AR/ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification

SUDIRO S.Si.
Manager QC