

F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Lactic Acid 88 % AR

Catalog Number : A-2025

Batch Number : 2025-00000000

CAS Number : 79-33-4

Molecular Weight : 90.08 g/mol

Mol. Formula : $C_3H_6O_3$

Expire Date : 60 Months

SAMPLE

No	Test	Specifications	Results
1	Appearance	A clear colorless to slightly yellow syrupy liquid	A clear colorless syrupy liquid
2	Assay (alkalimetric, total acidity as Lactic acid)	min 88.0 %	92.33%
3	Stereochemical purity (L+)	min 97.0 %	98.12%
4	Colour scale	max 50 Hazen	34 Hazen
5	Wt. Per ml at 20 °C	1.190 – 1.210 g/cm ³	1.197 g/cm ³
6	Heavy metal (as Pb)	max 0.001 %	0.0002%
7	Sulphated ash (600 °C)	max 0.05 %	0.024%
8	Chloride (Cl)	max 0.001 %	0.0005%
9	Sulphate (SO ₄)	max 0.001 %	0.0007%
10	Arsenic (As)	max 0.00001 %	0.000003%
11	Calcium (Ca)	max 0.001 %	0.0003%
12	Iron (Fe)	max 0.001 %	0.00006%
13	Lead (Pb)	max 0.00005 %	0.000036%
14	Cyanide (CN)	0.0005%	0.00018%
15	Mercury (Hg)	0.0001%	0.00004%
16	Positive test for lactate	passes test	Passes
17	Reducing substance (as sugars)	passes test	Passes
18	Citric, oxalic, tartaric dan phosphoric acid	passes test	Passes

Corresponds to AR / ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specificationSUDIRO S.Si.
Manager QC