

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Acetic Acid Glacial Suprapure & p-test

Catalog Number : A-2031

Batch Number : 2031-00000000

CAS Number : 64-19-7

Molecular Weight : 60.05 g/mol

Mol. Formula : CH₃COOH

Expire Date : 60 months

No	Test	Specifications	Results
1	Appearance	A clear colourless volatile liquid	A clear colourless volatile liquid
2	Assay (acidimetric)	min 99.7 %	100.164%
3	Solubility	miscible with water with ethanol (96%) and with methylene chloride forming a clear & colourless solution	complies
4	Identification	passes tests (A & B)	complies
5	Colour	max 10 Hazen	< 10 Hazen
6	Water insoluble substances	passes test	complies
7	Wt.per ml at 20 °C	1.047 – 1.050 g/cm ³	1.049 g/cm ³
8	Freezing point	min 15.6 °C	16.2 °C
9	Non-volatile matter	max 0.01 %	0.00033%
10	Formate content (HCOO)	max 0.01 %	< 0.01 %
11	Chloride (Cl)	max 0.0001%	0.000054%
12	Sulphate (SO ₄)	max 0.0001 %	< 0.0001%
13	Arsenic (As)	max 0.0001%	Nil
14	Iron (Fe)	max 0.00002 %	0.000012%
15	Lead (Pb)	max 0.00005 %	Nil
16	Copper (Cu)	max 0.0005 %	< 0.0005 %
17	Zinc (Zn)	max 0.0005 %	Nil
18	Cadmium (Cd)	max 0.00001 %	Nil
19	Acetaldehyde (CH ₃ CHO)	max 0.0002 %	Nil
20	Acetic anhydride (CH ₃ CO) ₂ O	max 0.2 %	0.0052%
21	Water (by KF)	max 0.2 %	0.1147%
22	Indifference to chromic acid test	passes test	complies
23	Substance reducing permanganate (P-test)	passes test	complies
24	Substance reducing dichromate	passes test	complies

Corresponds to Suprapure & p-test Grade (unaffected by chromic acid)(meets IP,BP,USP,Ph.Eur)

LABOTIQ product complies with Suprapure & p-test grade analytical specificationsSUDIRO S.Si.
Manager QC