

TIQ- F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Acetic Acid Glacial dried 99.8 % AR
 Catalog Number : A-2032
 Batch Number : 2032-00000000
 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 colorless liquid, with a characteristic odour | Complies |
| 2 | Solubility | miscible with water, with ethanol 96% and with methylene chloride forming a clear & colourless solution | Complies |
| 3 | Assay (acidimetric) | min 99.8 % | 99.975% |
| 4 | Wt. per ml at 20 °C | 1.048 - 1.050 g/cm ³ | 1.048 g/cm ³ |
| 5 | Freezing point | Not below 16.2 °C | 16,5 °C |
| 6 | Water insoluble matter | passes test | passes test |
| 7 | Non-volatile matter | max 0.001 % | 0.00048% |
| 8 | Water (H ₂ O) | max 0.05 % | 0.0390% |
| 9 | Chloride (Cl) | max 0.0001 % | 0.000062% |
| 10 | Formate (HCOO) | max 0.01 % | 0.0069% |
| 11 | Sulphate (SO ₄) | max 0.0001 % | 0.000036% |
| 12 | Arsenic (As) | max 0.00005 % | 0.0000025% |
| 13 | Iron (Fe) | max 0.00002 % | 0.000012% |
| 14 | Lead (Pb) | max 0.00001 % | < 0.00001% |
| 15 | Copper (Cu) | max 0.00001 % | < 0.00001% |
| 16 | Zinc (Zn) | max 0.00001 % | < 0.00001% |
| 17 | Cadmium (Cd) | max 0.00001 % | < 0.00001% |
| 18 | Indifference to chromic acid | passes test | passes test |
| 19 | Acetaldehyde (CH ₃ CHO) | max 0.0002 % | 0.000071% |
| 20 | Acetic anhydride (CH ₃ CO) ₂ O | max 0.2 % | 0.037% |

Corresponds to AR / ACS Grade

LABOTIQ In-house product specification, referenced to Analar standard and ACS specification

SUDIRO S.Si.
 Manager QC