

# CERTIFICATE OF ANALYSIS

## AC0344\_25929201/1

Product Acetic acid glacial, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

Batch 25929201

**AC0344**

Quality release date 20/06/2025

Expiry date 06/2030

Analysis	Batch value	Specifications
Assay (Acidimetric)	100,00 %	≥ 99,8
Identity (IR-Spectrum)	passes test	passes test
Density (20°/4°)	1,0494 g/mL	1,048 - 1,050
Boiling point	117 - 119 ° C	117 - 119
Freezing point	15,8 °C	≥ 15,8
Colour (Hazen)	4	≤ 10
Titrate base	0,000200 meq/g	≤ 0,0004
Chlorides (Cl)	< 0,00004 %	≤ 0,00004
Phosphates (as PO4)	< 0,00004 %	≤ 0,00004
Sulfates (SO4)	< 0,00004 %	≤ 0,00004
Aluminium (Al)	< 0,02 ppm	≤ 0,02
Arsenic (As)	< 0,01 ppm	≤ 0,01
Barium (Ba)	< 0,01 ppm	≤ 0,01
Beryllium (Be)	< 0,005 ppm	≤ 0,005
Bismuth (Bi)	< 0,05 ppm	≤ 0,05
Boron (B)	< 0,1 ppm	≤ 0,1
Cadmium (Cd)	< 0,02 ppm	≤ 0,02
Calcium (Ca)	< 0,1 ppm	≤ 0,1
Chromium (Cr)	< 0,02 ppm	≤ 0,02
Cobalt (Co)	< 0,01 ppm	≤ 0,01
Copper (Cu)	< 0,01 ppm	≤ 0,01
Gallium (Ga)	< 0,05 ppm	≤ 0,05
Germanium (Ge)	< 0,02 ppm	≤ 0,02
Gold (Au)	< 0,01 ppm	≤ 0,01
Heavy metals (as Pb)	< 0,5 ppm	≤ 0,5
Indium (In)	< 0,05 ppm	≤ 0,05
Iron (Fe)	< 0,05 ppm	≤ 0,05
Lead (Pb)	< 0,01 ppm	≤ 0,01
Lithium (Li)	< 0,01 ppm	≤ 0,01
Magnesium (Mg)	< 0,05 ppm	≤ 0,05
Manganese (Mn)	< 0,01 ppm	≤ 0,01
Mercury (Hg)	< 0,005 ppm	≤ 0,005
Molybdenum (Mo)	< 0,01 ppm	≤ 0,01
Nickel (Ni)	< 0,02 ppm	≤ 0,02
Platinum (Pt) ppm	< 0,1 ppm	≤ 0,1
Potassium (K)	< 0,1 ppm	≤ 0,1
Silver (Ag)	< 0,005 ppm	≤ 0,005
Sodium (Na)	< 0,2 ppm	≤ 0,2
Strontium (Sr)	< 0,01 ppm	≤ 0,01
Thallium (Tl)	< 0,02 ppm	≤ 0,02

Results marked with # are out of specifications.  
 This certificate does not exempt the user from checking the results upon receipt of the goods.  
 Any copy of our CoA may be obtained from our website at [www.scharlab.com](http://www.scharlab.com)

 Marta Martinez Casals  
 Laboratory Technician



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Tin (Sn)	< 0,05 ppm	≤ 0,05
Titanium (Ti)	< 0,05 ppm	≤ 0,05
Vanadium (V)	< 0,01 ppm	≤ 0,01
Zinc (Zn)	< 0,03 ppm	≤ 0,03
Zirconium (Zr)	< 0,05 ppm	≤ 0,05
Acetaldehyde (CH <sub>3</sub> CHO)	< 0,0002 %	≤ 0,0002
Acetic Anhydride (CH <sub>3</sub> CO) <sub>2</sub> O	< 0,01 %	≤ 0,01
Substances reducing KMnO <sub>4</sub>	passes test	passes test
Substances reducing K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>	passes test	passes test
Miscibility with water	total	total
Dilution test	passes test	passes test
Substances reducing iodine	negative reaction	negative reaction
Residue on evaporation	0,0004 %	≤ 0,0005
Water (K.F.)	0,0833 %	≤ 0,2

For laboratory use only

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