Certificate of Analysis

1.00063.1011 Acetic acid (glacial) 100% anhydrous for analysis EMSURE® ACS,ISO, Reag. Ph Eur

Batch K57296463

	Spec. Values		Batch Values	
Assay (alkalimetric)	≥ 99.8	%	100.2	%
Identity	passes test		passes test	
Color	≤ 10	Hazen	6	Hazen
Acetaldehyde	≤ 2	ppm	< 2	ppm
Acetic anhydride	≤ 100	ppm	78	ppm
Titratable base	≤ 0.0004	meq/g	< 0.0001	meq/g
Solidification temperature	≥ 16.3	°C	16.7	°C
Chloride (Cl)	≤ 0.4	ppm	< 0.1	ppm
Phosphate (PO_4)	≤ 0.4	ppm	< 0.1	ppm
Heavy metals (as Pb)	≤ 0.5	ppm	< 0.5	ppm
Sulfate (SO_4)	≤ 0.4	ppm	< 0.4	ppm
Ag (Silver)	≤ 0.005	ppm	< 0.001	ppm
Al (Aluminium)	≤ 0.020	ppm	< 0.001	ppm
As (Arsenic)	≤ 0.010	ppm	< 0.001	ppm
Au (Gold)	≤ 0.010	ppm	< 0.001	ppm
B (Boron)	≤ 0.100	ppm	< 0.001	ppm
Ba (Barium)	≤ 0.010	ppm	< 0.001	ppm
Be (Beryllium)	≤ 0.005	ppm	< 0.001	ppm
Bi (Bismuth)	≤ 0.050	ppm	< 0.001	ppm
Ca (Calcium)	≤ 0.100	ppm	0.001	ppm
Cd (Cadmium)	≤ 0.020	ppm	< 0.001	ppm
Co (Cobalt)	≤ 0.010	ppm	< 0.001	ppm
Cr (Chromium)	≤ 0.020	ppm	0.001	ppm
Cu (Copper)	≤ 0.010	ppm	< 0.001	ppm
Fe (Iron)	≤ 0.050	ppm	0.004	ppm
Ga (Gallium)	≤ 0.050	ppm	< 0.001	ppm
Ge (Germanium)	≤ 0.020	ppm	< 0.001	ppm
Hg (Mercury)	≤ 0.005	ppm	< 0.001	ppm
In (Indium)	≤ 0.050	ppm	< 0.001	ppm
K (Potassium)	≤ 0.100	ppm	< 0.001	ppm
Li (Lithium)	≤ 0.010	ppm	< 0.001	ppm
Mg (Magnesium)	≤ 0.050	ppm	< 0.001	ppm
Mn (Manganese)	≤ 0.010	ppm	< 0.001	ppm
Mo (Molybdenum)	≤ 0.010	ppm	< 0.001	ppm
Na (Sodium)	≤ 0.200	ppm	< 0.001	ppm
Ni (Nickel)	≤ 0.020	ppm	0.001	ppm
Pb (Lead)	≤ 0.010	ppm	< 0.001	ppm
Pt (Platinum)	≤ 0.100	ppm	< 0.001	ppm
Sn (Tin)	≤ 0.050	ppm	< 0.001	ppm
Sr (Strontium)	≤ 0.010	ppm	< 0.001	ppm
Ti (Titanium)	≤ 0.050	ppm	< 0.001	ppm

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Tl (Thallium)	≤ 0.020	ppm	< 0.001	ppm
V (Vanadium)	≤ 0.010	ppm	< 0.001	ppm
Zn (Zinc)	≤ 0.030	ppm	< 0.001	ppm
Zr (Zirconium)	≤ 0.050	ppm	< 0.001	ppm
Substances reducing potassium dichromate	passes test		passes test	
Substances reducing potassium permanganate	≤ 20	ppm	< 20	ppm
Evaporation residue	≤ 5	ppm	< 2	ppm
Water	≤ 0.2	%	0.05	%
Dilution test	passes test		passes test	

Minimum shelf life: see product label

Date of examination (DD.MM.YYYY) 24.02.2026

Christian Herrmann
Responsible laboratory manager quality control

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