



Certificate of Analysis

1.00042.2500 Acetic anhydride for analysis EMSURE® ACS,ISO,Reag. Ph Eur
Batch K53684442

	Spec. Values		Batch Values	
Purity (GC)	≥ 98.5	%	99.6	%
Identity (IR)	conforms		conforms	
Appearance	clear		clear	
Color	≤ 10	Hazen	< 5	Hazen
Chloride (Cl)	≤ 2	ppm	≤ 2	ppm
Sulfate (SO ₄)	≤ 5	ppm	≤ 5	ppm
Phosphate (PO ₄)	≤ 5	ppm	≤ 5	ppm
Heavy metals (as Pb)	≤ 2	ppm	≤ 2	ppm
Readily carbonizable substances	conforms		conforms	
Substances reducing potassium permanganate (as O)	≤ 150	ppm	≤ 150	ppm
Al (Aluminium)	≤ 0.5	ppm	≤ 0.5	ppm
B (Boron)	≤ 0.02	ppm	≤ 0.02	ppm
Ba (Barium)	≤ 0.1	ppm	≤ 0.1	ppm
Ca (Calcium)	≤ 0.5	ppm	≤ 0.5	ppm
Cd (Cadmium)	≤ 0.05	ppm	≤ 0.05	ppm
Co (Cobalt)	≤ 0.02	ppm	≤ 0.02	ppm
Cr (Chromium)	≤ 0.05	ppm	≤ 0.05	ppm
Cu (Copper)	≤ 0.02	ppm	≤ 0.02	ppm
Fe (Iron)	≤ 0.1	ppm	≤ 0.1	ppm
Mg (Magnesium)	≤ 0.1	ppm	≤ 0.1	ppm
Mn (Manganese)	≤ 0.02	ppm	≤ 0.02	ppm
Ni (Nickel)	≤ 0.02	ppm	≤ 0.02	ppm
Pb (Lead)	≤ 0.1	ppm	≤ 0.1	ppm
Sn (Tin)	≤ 0.1	ppm	≤ 0.1	ppm
Zn (Zinc)	≤ 0.1	ppm	≤ 0.1	ppm
Evaporation residue	≤ 20	ppm	6	ppm

Date of release (DD.MM.YYYY) 13.09.2021
Minimum shelf life (DD.MM.YYYY) 30.09.2024

Jeannette David
Responsible laboratory manager quality control

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