



# Certificate of Analysis

1.00731.2500 Sulfuric acid 95-97% for analysis EMSURE® ISO  
Batch Z0862931

	Spec. Values		Batch Values	
Assay (alkalimetric)	95.0 - 97.0	%	96.3	%
Color	≤ 10	Hazen	< 10	Hazen
Chloride (Cl)	≤ 0.1	ppm	< 0.1	ppm
Nitrate (NO <sub>3</sub> )	≤ 0.2	ppm	< 0.2	ppm
Phosphate (PO <sub>4</sub> )	≤ 0.5	ppm	< 0.3	ppm
Ag (Silver)	≤ 0.010	ppm	< 0.002	ppm
Al (Aluminium)	≤ 0.050	ppm	< 0.010	ppm
As (Arsenic)	≤ 0.010	ppm	< 0.005	ppm
Au (Gold)	≤ 0.050	ppm	< 0.005	ppm
B (Boron)	≤ 0.050	ppm	< 0.010	ppm
Ba (Barium)	≤ 0.050	ppm	< 0.010	ppm
Be (Beryllium)	≤ 0.010	ppm	< 0.005	ppm
Bi (Bismuth)	≤ 0.050	ppm	< 0.010	ppm
Ca (Calcium)	≤ 0.100	ppm	< 0.010	ppm
Cd (Cadmium)	≤ 0.010	ppm	< 0.005	ppm
Co (Cobalt)	≤ 0.010	ppm	< 0.005	ppm
Cr (Chromium)	≤ 0.020	ppm	< 0.020	ppm
Cu (Copper)	≤ 0.010	ppm	< 0.005	ppm
Fe (Iron)	≤ 0.100	ppm	0.066	ppm
Ga (Gallium)	≤ 0.050	ppm	< 0.010	ppm
Ge (Germanium)	≤ 0.020	ppm	< 0.010	ppm
In (Indium)	≤ 0.050	ppm	< 0.010	ppm
K (Potassium)	≤ 0.100	ppm	< 0.010	ppm
Li (Lithium)	≤ 0.010	ppm	< 0.005	ppm
Mg (Magnesium)	≤ 0.050	ppm	< 0.010	ppm
Mn (Manganese)	≤ 0.010	ppm	< 0.005	ppm
Mo (Molybdenum)	≤ 0.020	ppm	< 0.010	ppm
Na (Sodium)	≤ 0.300	ppm	< 0.010	ppm
NH <sub>4</sub> (Ammonium)	≤ 1	ppm	< 1	ppm
Ni (Nickel)	≤ 0.020	ppm	< 0.010	ppm
Pb (Lead)	≤ 0.010	ppm	< 0.005	ppm
Pt (Platinum)	≤ 0.100	ppm	< 0.010	ppm
Sn (Tin)	≤ 0.050	ppm	< 0.010	ppm
Sr (Strontium)	≤ 0.010	ppm	< 0.005	ppm
Ti (Titanium)	≤ 0.020	ppm	< 0.005	ppm
Tl (Thallium)	≤ 0.020	ppm	< 0.010	ppm
V (Vanadium)	≤ 0.010	ppm	< 0.005	ppm
Zn (Zinc)	≤ 0.050	ppm	< 0.010	ppm
Zr (Zirconium)	≤ 0.020	ppm	< 0.010	ppm
Substances reducing potassium permanganate (as SO <sub>2</sub> )	≤ 2	ppm	< 2	ppm
Residue on ignition	≤ 3	ppm	< 3	ppm

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Batch Z0862931

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Date of expiry: see product label  
ISO-Reagent

Date of release (DD.MM.YYYY) 29.03.2023

Dr. Nina Hegmann

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Responsible laboratory manager quality control

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