

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek. Certificate Number. 2317548

Catalogue Number	45105
Lot Number	A0468722
Description	Sulfuric acid,for analysis,25% solution in water
CAS Number	7664-93-9
Quality Test/Release Date	07/Jan/2025
Suggested retest date	07/Jan/2028
Country of Origin	SPAIN
Declaration of Origin	synthetic

Result Name	Units	Specifications	Test Value
Appearance (Form)		Clear liquid	Clear liquid
Color scale	APHA	≤10	10
Titration with NaOH	%	≥25	26
Heavy metals (as Pb)	ppm	≤1	≤1
KMnO4-reducing substance	%	≤0.0002 (as SO <sub>2</sub> )	≤0.0002 (as SO <sub>2</sub> )
Residue after ignition	%	≤0.0005	0.0003
Chloride (Cl)	ppm	≤0.5	≤0.2
Ammonium (NH <sub>4</sub> )	ppm	≤2	≤2
Nitrate (NO <sub>3</sub> )	ppm	≤0.2	≤0.2
Silver (Ag)	ppm	≤0.02	≤0.02
Aluminium (Al)	ppm	≤0.05	≤0.05
Arsenic (As)	ppm	≤0.01	≤0.01
Beryllium (Be)	ppm	≤0.02	≤0.02
Calcium (Ca)	ppm	≤0.2	≤0.2
Cadmium (Cd)	ppm	≤0.02	≤0.02
Cobalt (Co)	ppm	≤0.02	≤0.02
Chromium (Cr)	ppm	≤0.05	≤0.05
Copper (Cu)	ppm	≤0.01	≤0.01
Iron (Fe)	ppm	≤0.1	≤0.1
Potassium (K)	ppm	≤0.1	≤0.1
Lithium (Li)	ppm	≤0.02	≤0.02
Magnesium (Mg)	ppm	≤0.05	≤0.05
Manganese (Mn)	ppm	≤0.01	≤0.01
Sodium (Na)	ppm	≤0.5	≤0.5
Nickel (Ni)	ppm	≤0.02	≤0.02
Lead (Pb)	ppm	≤0.02	≤0.02
Strontium (Sr)	ppm	≤0.02	≤0.02
Zinc (Zn)	ppm	≤0.1	≤0.05



Geert Torfs  
Supervisor, QC

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.

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