

Certificate of Analysis

Product Name: Sulfuric acid
puriss. p.a., for determination of Hg, ACS reagent, reag.
ISO, reag. Ph. Eur., 95.0-97.0 %

Product Number: 30743

Batch Number: STBJ5839

Brand: Sigma-Aldrich

CAS Number: 7664-93-9

Formula: H₂SO₄

Formula Weight: 98.08

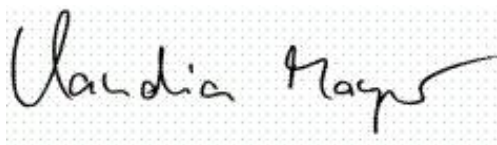
Quality Release Date: 31 JAN 2020

Recommended Retest Date: JAN 2023

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS	COLORLESS
APPEARANCE (FORM)	LIQUID	LIQUID
COLOR (IN APHA)	≤ 10 APHA	< 10 APHA
ASSAY	95.0 - 97.0 %	96.1 %
RESIDUE ON IGNITION	≤ 5 PPM	< 5 PPM
REDUCING SUBSTANCES	KMNO4 RED. MATTER (AS SO2) ≤ 2 PPM	< 2 PPM
SILVER	≤ 0.000002 %	< 0.000002 %
ALUMINIUM	≤ 0.000005 %	< 0.000005 %
ARSEN	≤ 0.01 PPM	< 0.01 PPM
BARIUM	≤ 0.000005 %	< 0.000005 %
BERYLLIUM	≤ 0.000001 %	< 0.000001 %
BISMUTH	≤ 0.000005 %	< 0.000005 %
CALCIUM	≤ 0.00002 %	< 0.00002 %
CADMIUM	≤ 0.000002 %	< 0.000002 %
COBALT	≤ 0.000001 %	< 0.000001 %
CHROMIUM	≤ 0.000005 %	< 0.000005 %
COPPER	≤ 0.000001 %	< 0.000001 %
IRON	≤ 0.1 PPM	< 0.1 PPM
GERMANIUM	≤ 0.000005 %	< 0.000005 %
MERCURY	≤ 0.005 PPM	< 0.005 PPM
POTASSIUM	≤ 0.00001 %	< 0.00001 %

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LITHIUM	≤ 0.000001 %	< 0.000001 %
MAGNESIUM	≤ 0.000005 %	< 0.000005 %
MANGANESE	≤ 0.000001 %	< 0.000001 %
MOLYBDENUM	≤ 0.000002 %	< 0.000002 %
SODIUM	≤ 0.00005 %	< 0.00005 %
NICKEL	≤ 0.000002 %	< 0.000002 %
LEAD	≤ 0.000002 %	< 0.000002 %
STRONTIUM	≤ 0.000002 %	< 0.000002 %
TITANIUM	≤ 0.00001 %	< 0.00001 %
THALLIUM	≤ 0.000005 %	< 0.000005 %
VANADIUM	≤ 0.000001 %	< 0.000001 %
ZINC	≤ 0.000005 %	< 0.000005 %
ZIRCONIUM	≤ 0.000001 %	< 0.000001 %
AMMONIUM (NH4+)	≤ 2 PPM	< 2 PPM
CHLORIDE (CL)	≤ 0.1 PPM	< 0.1 PPM
NITRATE (NO3)	≤ 0.2 PPM	< 0.1 PPM
PHOSPHATE (PO4)	≤ 0.00005 %	< 0.00005 %



Claudia Mayer
 Manager Quality Control
 Steinheim, Germany

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.