

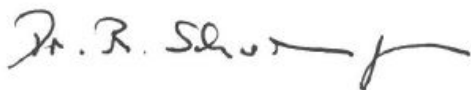
Certificate of Analysis

Product Name: Sodium oxalate
puriss. p.a., ACS reagent, $\geq 99.5\%$ RT
Product Number: 71800
Batch Number: BCCF1170
Brand: Sigma-Aldrich
CAS Number: 62-76-0
Formula: NaOOC-COONa
Formula Weight: 134.00
Quality Release Date: 11 DEC 2020
Recommended Retest Date: OCT 2026

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS OR WHITE	WHITE
APPEARANCE (FORM)	POWDER OR CRYSTALS	POWDER
REDOX TITRATION	99.5 - 101.0 %	100.3 %
REDOXTITRATION (METHOD)	PERMANGANATE TITRATION	PERMANGANATE TITRATION
SOLUBILITY (COLOR)	COLORLESS	COLORLESS
SOLUBILITY (TURBIDITY)	CLEAR	CLEAR
SOLUBILITY (METHOD)	0.25G IN 10ML WATER	0.25G IN 10ML WATER
PH	7 - 8.5	7.1
LOSS ON DRYING	$\leq 0.01\%$	0.004%
ACS SPECIFICATIONS	CORRESPONDS TO REQUIREMENTS	CORRESPONDS TO ACS (11TH ED.)
REMARKS ON ACS	INSOLUBLE MATTER $\leq 0.005\%$ NEUTRALITY PASSES TEST HEAVY METALS (AS PB) $\leq 0.002\%$ SUBSTANCES DARKENED BY HOT SULFURIC ACID PASSES TEST	INSOLUBLE MATTER $< 0.005\%$ NEUTRALITY PASSES TEST HEAVY METALS (AS PB) $< 0.002\%$ SUBSTANCES DARKENED BY HOT SULFURIC ACID PASSES TEST
METAL TRACE ANALYSIS (ICP)	CORRESPONDS TO REQUIREMENTS	PASSED
CALCIUM (ICP)	≤ 100 MG/KG	< 100 MG/KG
CADMIUM (ICP)	≤ 10 MG/KG	< 10 MG/KG
COBALT (ICP)	≤ 5 MG/KG	< 5 MG/KG
CHROMIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
COPPER (ICP)	≤ 5 MG/KG	< 5 MG/KG
IRON (ICP)	≤ 10 MG/KG	< 10 MG/KG
POTASSIUM (ICP)	≤ 50 MG/KG	< 50 MG/KG
MAGNESIUM (ICP)	≤ 10 MG/KG	< 10 MG/KG
MANGANESE (ICP)	≤ 50 MG/KG	< 50 MG/KG
NICKEL (ICP)	≤ 5 MG/KG	< 5 MG/KG
LEAD (ICP)	≤ 5 MG/KG	< 5 MG/KG
ZINC (ICP)	≤ 5 MG/KG	< 5 MG/KG

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TOTAL SULFUR AS SO₄ (ICP)	≤ 20 MG/KG	< 20 MG/KG
CHLORIDE (CL)	≤ 20 MG/KG	< 20 MG/KG
ION CHROMATOGRAPHY (NH₄⁺)	≤ 20 MG/KG	< 20 MG/KG



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland

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.