

## Certificate of Analysis

**Product Name:** SODIUM SULFITE  
*BioUltra*, anhydrous, >= 98 % RT  
**Product Number:** 71988  
**Batch Number:** BCBQ1234V  
**Brand:** Sigma  
**CAS Number:** 7757-83-7  
**Formula:** Na<sub>2</sub>SO<sub>3</sub>  
**Formula Weight:** 126.04  
**Quality Release Date:** 12 MAY 2015  
**Date retested:** 08 DEC 2016  
**Recommended Retest Date:** NOV 2018

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS OR WHITE	WHITE
APPEARANCE (FORM)	POWDER OR CRYSTALS	CRYSTALS
REDOX TITRATION	≥ 98 %	98 %
REDOXTITRATION (METHOD)	IODOMETRIC	IODOMETRIC
LOSS ON DRYING	≤ 0.1 %	< 0.05%
METAL TRACE ANALYSIS (ICP)	CORRESPONDS TO REQUIREMENTS	PASSED
ALUMINIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
BARIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
BISMUTH (ICP)	≤ 5 MG/KG	< 5 MG/KG
CALCIUM (ICP)	≤ 10 MG/KG	< 10 MG/KG
CADMIUM (ICP)	≤ 5 MG/KG	< 5 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)	≤ 5 MG/KG	< 5 MG/KG
POTASSIUM (ICP)	≤ 200 MG/KG	< 200 MG/KG
LITHIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
MAGNESIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
MANGANESE (ICP)	≤ 5 MG/KG	< 5 MG/KG
MOLYBDENUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
NICKEL (ICP)	≤ 5 MG/KG	< 5 MG/KG
LEAD (ICP)	≤ 5 MG/KG	< 5 MG/KG
STRONTIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
ZINC (ICP)	≤ 5 MG/KG	< 5 MG/KG
ARSENIC TRACES (MHS-AAS)	≤ 0.1 MG/KG	< 0.1 MG/KG

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CHLORIDE (CL)	≤ 50 MG/KG	< 50 MG/KG
THIOSULFATE (S2O3)	≤ 200 MG/KG	< 200 MG/KG
SOLUBILITY (METHOD)	1M IN WATER	1M IN WATER
APPEARANCE (SOLUTION)	CLEAR COLORLESS	CLEAR COLORLESS
PH (SOLUTION)	9.0 - 10.5	9.7
RESIDUE (FILTER TEST)	NO RESIDUE	NO RESIDUE
CUT-OFF	≤ 265 NM	265.0 NM



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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.