

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

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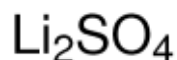
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Lithium sulfate - ≥99.99% trace metals basis

Product Number: 203653
Batch Number: MKBW2112V
Brand: ALDRICH
CAS Number: 10377-48-7
MDL Number: MFCD00011086
Formula: Li₂O₄S
Formula Weight: 109.94 g/mol
Quality Release Date: 03 AUG 2015



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Conforms to Requirements	Powder
Powder, Crystals, Crystalline Powder and/or Chunks		
Gravimetric Analysis	28.4 - 29.9 %	28.7 %
% Sulfur (With Barium Chloride)		
ICP Major Analysis	Confirmed	Conforms
Confirms Lithium and Sulfur Components		
Purity	Meets Requirements	Meets Requirements
> = 99.99% Based On Trace Metals Analysis		
Trace Metal Analysis	≤ 100.0 ppm	62.5 ppm
Aluminum (Al)		33.5 ppm
Barium (Ba)		0.5 ppm
Calcium (Ca)		2.5 ppm
Iridium (Ir)		5.1 ppm
Magnesium (Mg)		0.2 ppm
Strontium (Sr)		0.6 ppm
Titanium (Ti)		0.8 ppm
Tungsten (W)		1.5 ppm
Zinc (Zn)		0.6 ppm
Zirconium (Zr)		0.5 ppm
Cesium (Cs)		5.2 ppm
Potassium (K)		3.5 ppm
Sodium (Na)		6.8 ppm

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.

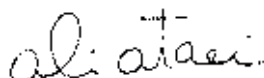
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Test	Specification	Result
Rubidium (Rb)		1.1 ppm



Ali Ataei, Manager
Quality Control
Milwaukee, WI US

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