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## Certificate of Analysis

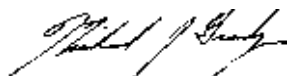
Product Name:

Lithium metaborate - 99.9% trace metals basis

**Product Number:** 205524  
**Batch Number:** MKBZ8317V  
 Brand: ALDRICH  
 CAS Number: 13453-69-5  
 MDL Number: MFCD00011089  
 Formula: BLiO2  
 Formula Weight: 49.75 g/mol  
 Quality Release Date: 28 JUL 2016

BO<sub>2</sub>Li

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Titration with NaOH % B	≥ 21.1 %	21.8 %
ICP Major Analysis Confirms Li and B Components	Confirmed	Conforms
Purity 99.9% Based on Trace Metals Analysis	Meets Requirements	Meets Requirements
Trace Metal Analysis	≤ 1500.0 ppm	66.9 ppm
Barium (Ba)		0.5 ppm
Beryllium (Be)		0.2 ppm
Calcium (Ca)		53.7 ppm
Iron (Fe)		3.9 ppm
Magnesium (Mg)		2.2 ppm
Manganese (Mn)		0.3 ppm
Strontium (Sr)		0.3 ppm
Zinc (Zn)		2.1 ppm



Michael Grady, Manager  
 Quality Control  
 Milwaukee, WI US

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.