

Certificate of Analysis

Product Name:

Lithium metaborate - 99.995% trace metals basis

Product Number: 254282
Batch Number: MKBS1241V
 Brand: ALDRICH
 CAS Number: 13453-69-5
 MDL Number: MFCD00011089
 Formula: BLiO₂
 Formula Weight: 49.75 g/mol
 Quality Release Date: 20 JUN 2014

BO₂Li

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Purity (Titration by NaOH) % B	21.0 - 22.4 %	21.7 %
ICP Major Analysis Confirms Lithium and Boron Components	Confirmed	Conforms
Purity 99.995% Based On Trace Metals Analysis By ICP And AA	Meets Requirements	Meets Requirements
Trace Metal Analysis	≤ 60.0 ppm	< 60.0 ppm
Aluminum (Al)		2.1 ppm
Barium (Ba)		< 0.1 ppm
Calcium (Ca)		10.8 ppm
Iron (Fe)		2.2 ppm
Magnesium (Mg)		0.1 ppm
Strontium (Sr)		0.1 ppm
Titanium (Ti)		0.2 ppm
Vanadium (V)		0.4 ppm
Zinc (Zn)		0.8 ppm
Atomic Absorption	≤ 60.0 ppm	< 60.0 ppm
Cesium (Cs)		0.1 ppm
Potassium (K)		3.1 ppm
Sodium (Na)		4.7 ppm

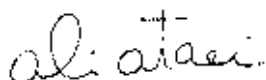
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Ali Ataei, Manager
Quality Control
Milwaukee, WI US

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