

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Certificate of Analysis

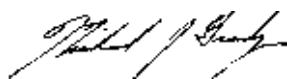
Product Name:

Lithium tetrafluoroborate - ultra dry, powder, 99.99% trace metals basis

Product Number: 451622
Batch Number: MKBX7770V
 Brand: ALDRICH
 CAS Number: 14283-07-9
 MDL Number: MFCD00011087
 Formula: BF₄Li
 Formula Weight: 93.75 g/mol
 Quality Release Date: 17 MAR 2016

LiBF₄

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Purity (Titration by NaOH) % BF ₄	90.2 - 94.9 %	92.2 %
Water (by Karl Fischer)	<1.0 %	0.8 %
ICP Major Analysis Confirms Li and B Components	Confirmed	Confirmed
Purity 99.99% Based On Trace Metals Analysis	Meets Requirements	Meets Requirements
Trace Metal Analysis	≤ 150.0 ppm	23.6 ppm
Barium (Ba)		2.4 ppm
Calcium (Ca)		7.5 ppm
Iron (Fe)		0.9 ppm
Magnesium (Mg)		0.3 ppm
Sodium (Na)		2.6 ppm
Strontium (Sr)		0.1 ppm
Titanium (Ti)		0.1 ppm
Zirconium (Zr)		3.1 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.