

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Name:

Certificate of Analysis

Lithium hydroxide monohydrate - 99.95% trace metals basis

Product Number: 254274
Batch Number: MKCD8827
 Brand: ALDRICH
 CAS Number: 1310-66-3
 MDL Number: MFCD00149772
 Formula: HLiO · H₂O
 Formula Weight: 41.96 g/mol
 Quality Release Date: 29 AUG 2017

LiOH · H₂O

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Powder
Titration by HCL % LiOH	54.2 - 59.9 %	57.3 %
ICP Major Analysis Confirms Lithium Component	Confirmed	Conforms
Purity 99.95% Based On Trace Metals Analysis	Meets Requirements	Meets Requirements
Trace Metal Analysis	≤ 550.0 ppm	280.7 ppm
Aluminum (Al)		26.7 ppm
Boron (B)		1.0 ppm
Calcium (Ca)		104.1 ppm
Iron (Fe)		0.8 ppm
Magnesium (Mg)		0.2 ppm
Manganese (Mn)		0.2 ppm
Strontium (Sr)		0.1 ppm
Vanadium (V)		0.5 ppm
Zinc (Zn)		0.8 ppm
Cesium (Cs)		3.3 ppm
Potassium (K)		43.7 ppm
Sodium (Na)		98.8 ppm
Rubidium (Rb)		0.6 ppm

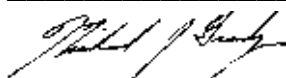
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Michael Grady, Manager
Quality Control
Milwaukee, WI US

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