



Version	00
Molecular weight	41.95
Quality Test / Release Date	02/25/2019
Molecular Formula	H Li O . H <sub>2</sub> O
CAS No	1310-66-3
Linear Formula	LiOH.H <sub>2</sub> O
Flash Point (°C)	

## Certificate of Analysis

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Acros Organics expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to human or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

<b>Catalog Number</b>	19954	<b>Quality Test / Release Date</b> 02/25/2019
<b>Lot Number</b>	A0405925	
<b>Description</b>	Lithium hydroxide monohydrate, extra pure, ca. 56% LiOH	
<b>Country of Origin</b>	CHILI	
<b>Declaration of Origin</b>	synthetic	

<b>BSE/TSE comment</b>	
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<b>Chemical Comment</b>	
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Result name	Units	Specifications	Test Value
Appearance (Color)		White to cream to yellow	White
Appearance (Form)		Crystalline powder	Crystalline powder
Titration with HCl		>=54 % (LiOH)	57.3 % (LiOH)
Insoluble matter		=<0.1 % (in water)	=<0.008 % (in water)
Sodium + Potassium (Na+K)		=<3000 ppm	129 ppm
Carbon dioxide (CO <sub>2</sub> )		=<3500 ppm	2300 ppm
Aluminium (Al)		=<300 ppm	15 ppm
Iron (Fe)		=<10 ppm	1.4 ppm
Chloride (Cl)		=<500 ppm	100 ppm
Sulfate (SO <sub>4</sub> )		=<500 ppm	300 ppm



A handwritten signature in black ink, appearing to read "L. Van den Broek".

L. Van den Broek, QA Manager

Issued: 04-25-2019

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