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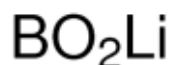
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## Product Specification

Product Name:  
Lithium metaborate - ACS reagent, ≥98.0%

**Product Number:** 402966  
**CAS Number:** 13453-69-5  
**MDL:** MFCD00011089  
**Formula:** BLiO<sub>2</sub>  
**Formula Weight:** 49.75 g/mol



TEST	Specification
Appearance (Color)	White to Off-White
Appearance (Form)	Powder
X-Ray Diffraction	Conforms to Structure
Titration by HCL	98.0 - 102.0 %
Density	≥ 0.25 g/ml
Insoluble matter	≤ 0.01 %
c = 10g/400ml, H <sub>2</sub> O	
Assay	≤ 2.0 %
Loss on Fusion; 950 Degrees Celsius	
Aluminum (Al)	≤ 0.001 %
Calcium (Ca)	≤ 0.01 %
Iron (Fe)	≤ 0.002 %
Heavy Metals	≤ 0.001 %
by ICP-OES	
Potassium (K)	≤ 0.005 %
Magnesium (Mg)	≤ 5 ppm
Sodium (Na)	≤ 0.005 %
Phosphorus Compounds	≤ 0.004 %
Silicon (Si)	≤ 0.01 %
Meets ACS Requirements	Current ACS Specification

Specification: PRD.0.ZQ5.10000075421

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](http://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.