

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 30189  
**Lot Number** 002154-2016-017  
**Product** **Lithium metaborate**

Boric acid lithium salt

**CAS Number** 13453-69-5  
**Molecular Formula** LiBO<sub>2</sub>

**Molecular Weight** 49.75

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**Appearance** White solid  
**Solubility** Moderate in water.  
**Melting Point** 845 °C (Approx.)  
**Bulk density** > 0.25 g/mL  
**Heavy Metals** 0.00002% (as Pb)  
**Anion** Phosphorous compounds (as PO<sub>4</sub><sup>3-</sup>): < 0.004%  
**Cation** Calcium (Ca): 0.00052%  
Magnesium (Mg): 0.06 ppm  
Potassium (K): 0.004%  
Sodium (Na): 0.00164%  
Silicon (Si): < 0.01%  
Aluminum (Al): 0.00003%  
Iron (Fe): 0.000017%

**Insoluble material** 0.0061%  
**Assay by titration** 98.93%  
**Grade** ACS reagent  
**Application** It is used for flux.  
**Storage** Store at RT

**Additional Information** Loss on fusion at 950 °C: 1.67%

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**