

# *Chem-Impex International, Inc.*

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## *Certificate of Analysis*

<b>Catalogue Number</b>	24562
<b>Lot Number</b>	002154-2016-018
<b>Product</b>	<b>Lithium tetraborate</b>

Di-Lithium tetraborate

<b>CAS Number</b>	12007-60-2
<b>Molecular Formula</b>	B <sub>4</sub> O <sub>7</sub> •2Li

<b>Molecular Weight</b>	169.12
-------------------------	--------

---

<b>Appearance</b>	White solid
<b>Solubility</b>	Sparingly soluble in water.
<b>Bulk density</b>	0.5739 g/mL
<b>Heavy Metals</b>	0.0001% (as Pb)
<b>Anion</b>	Phosphorous compounds (as PO <sub>4</sub> <sup>3-</sup> ): < 0.004%
<b>Cation</b>	Calcium (Ca): 0.0012% Iron (Fe): 0.0007% Aluminum (Al): 0.00022% Silicon (Si): < 0.01% Magnesium (Mg): 1 ppm Potassium (K): 0.0038% Sodium (Na): 0.0041%

<b>Insoluble material</b>	0.0072%
<b>Assay by titration</b>	99.41%
<b>Grade</b>	ACS reagent
<b>Application</b>	It is used in flux.
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Loss on fusion at 950 °C: < 2.0%

## ***Certificate of Analysis***

**Catalog Number: 24562**

**Lot Number: 002154-2016-018**

---

**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**

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

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