

# Product Data Sheet

**(2N5) 99.5% Lithium Tetraborate Pentahydrate**

**Product Code: LI-BAT4-025-C.5HYD**

**Formula:**  $\text{Li}_2\text{B}_4\text{O}_7 \cdot 5\text{H}_2\text{O}$

**CAS No.:** 12007-61-3

**EC No.:** 234-514-3

**MDL:** MFCD00151337

## Chemical Identifiers

<b>Linear Formula</b>	$\text{Li}_2\text{B}_4\text{O}_7 \cdot 5\text{H}_2\text{O}$
<b>MDL Number</b>	MFCD00151337
<b>EC No.</b>	234-514-3
<b>Beilstein Registry No.</b>	N/A
<b>Pubchem CID</b>	9815330
<b>IUPAC Name</b>	dilithium; [oxido(oxoboranyl oxy)boranyl]oxy-oxoboranyloxyborinate; pentahydrate
<b>SMILES</b>	[Li+].[Li+].B(=O)OB([O-])OB([O-])OB=O.O.O.O.O.O
<b>Inchl Identifier</b>	InChI=1S/B4O7.2Li.5H2O/c5-1-9-3(7)11-4(8)10-2-6;;;;;;;;;/h;;;5*1H2/q-2;2*+1;;;;;
<b>Inchl Key</b>	KTDDBABFAZCLKP-UHFFFAOYSA-N

**Total Metal Impurities:** 0.5% max.

## Packaging Specifications

Typical bulk packaging includes palletized plastic 5 gallon/25 kg. pails, fiber and steel drums to 1 ton super sacks in full container (FCL) or truck load (T/L) quantities. Research and sample quantities and hygroscopic, oxidizing or other air sensitive materials may be packaged under argon or vacuum. Shipping documentation includes a Certificate of Analysis and Safety Data Sheet (SDS). Solutions are

packaged in polypropylene, plastic or glass jars up to palletized 440 gallon liquid totes, and 36,000 lb. tanker trucks.

**Documentation**

A Certificate of Analysis and Materials Safety Data Sheet (SDS) in accordance with EN 10204 are supplied with every shipment.