



# Product Specification

## Product Name: LITHIUM TETRABORATE Anhydrous, granular AR

Alternate Name(s) di-Lithium tetraborate; tetraboric acid, dilithium salt.

### Description

White crystalline powder.

### Properties

Chemical Formula:  $\text{Li}_2\text{B}_4\text{O}_7$

Molecular Weight: 169.16

Product Code: LA062

CAS No. 12007-60-2

### General Information:

Soluble in water. Insoluble in alcohol. Incompatible with strong acids and strong oxidizing agents. Non combustible material.

### Hazard and Safety Data

UN Group: None Allocated  
Class: None Allocated  
UN Number: None Allocated  
Hazchem code: None Allocated  
CS MSDS Code: 1CHS3  
Poison schedule: Not Scheduled  
Emergency  
Procedure Guide No.: N/A

### Quality Specification

Assay: 99.99% min.

### Specific Properties and Impurities [Typical levels]:

Solubility in water	28.1 g/l
Specific gravity	1.2-1.3
Melting point	920°C
Aluminium (Al)	≤ 0.0005%
Arsenic (As)	≤ 0.0005%
Cadmium (Cd)	≤ 0.0001%
Calcium (Ca)	≤ 0.001%
Chrome	≤ 0.0005%
Cobalt (Co)	≤ 0.0001%
Copper (Cu)	≤ 0.0005%
Iron (Fe)	≤ 0.001%
Lead (Pb)	≤ 0.0001%
Magnesium (Mg)	≤ 0.001%
Manganese (Mn)	≤ 0.0005%
Nickel (Ni)	≤ 0.0001%
Potassium (K)	≤ 0.0005%
Selenium (Se)	≤ 0.0005%
Silicon (Si)	≤ 0.001%
Silver (Ag)	≤ 0.0001%
Sodium (Na)	≤ 0.0005%
Sulfur (S)	≤ 0.001%
Tin (Sn)	≤ 0.0005%
Zinc (Zn)	≤ 0.0001%

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