

TIQ-F-QC-003
 Rev.00

Technical Data Sheet

LITHIUM METABORATE ANHYDROUS 99,5% AR

Boric acid lithium salt



Product Code	O-5107	Grade	Analytical Reagent
Purity	99,5 %	CAS No	13453-69-5
Molecular Formula	LiBO ₂	Molecular Weight	49,75 g/mol
H.S.Code	2840.2090	Shelf Life	60 Months

Physical Properties

Physical state	Crystalline	Melting point	845 °C
Colour	White	Density	2,18 g/cm ³ at 20 °C
Solubility in water	141,2 g/l at 20 °C		

Packaging

250 gram

Specification

Appearance	White to off white crystalline powder
Assay (acidimetric)	min 99.5 %
Solubility (2% in boiling water)	almost colourless solution
Loss on ignition at 800 °C	max 1.0 %
Insoluble substances	passes test
Chloride (Cl)	max 0.005 %
Phosphorus compounds	max 0.004 %
Sulphate (SO ₄)	max 0.005 %
Calcium (Ca)	max 0.005 %
Copper (Cu)	max 0.0002 %
Iron (Fe)	max 0.005 %
Magnesium (Mg)	max 0.002 %
Potassium (K)	max 0.005 %
Silicon (Si)	max 0.01 %
Sodium (Na)	max 0.01 %

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07, GHS08

Signal Word: danger

UN No.: not available

IMCO Class No.: not available

Packing Group: not available

Hazardous Statement: H302-H318-H361fd

Precaution Statement: P202-P264-P280-P301+P312-P305+P351-P338-P308+P313