

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Di-Lithium Tetraborate 99 % AR

Catalog Number : O-5077

Batch Number : 5077-00000000

CAS Number : 12007-60-2

Molecular Weight : 169.12 g/mol

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

Expire Date : 60 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	White crystalline powder	White crystalline powder
2	Assay (acidimetry)	min 99.0 %	99.911%
3	Chloride (Cl)	max 0.005 %	0.00042%
4	Sulphate (SO_4)	max 0.005 %	0.00035%
5	Phosphate (PO_4)	max 0.002 %	0.00064%
6	Calcium (Ca)	max 0.005 %	0.00027%
7	Iron (Fe)	max 0.001 %	0.00028%
8	Heavy metal (as Pb)	max 0.005 %	< 0.0005%
9	Magnesium (Mg)	max 0.001 %	0.00028%
10	Potassium (K)	max 0.005 %	0.000047%
11	Sodium (Na)	max 0.005 %	0.000042%
12	Solubility	Dissolve 5 g sample with heating in a water, neutralise with Nitric acid and dilute to 100 ml with water give clear and almost colourless solution	Conform

Corresponds to AR/ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification

SUDIRO S.Si.
Manager QC