

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Lithium Metaborate Anhydrous 99.5% AR

Catalog Number : O-5107

Batch Number : 5107-00000000

CAS Number : 13453-69-5

Molecular Weight : 49.75 g/mol

Mol. Formula : LiBO_2

Expire Date : 60 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	White to off white crystalline powder	complies
2	Assay (acidimetric)	min 99.5 %	100.039%
3	Solubility (2% in boiling water)	almost colourless solution	complies
4	Loss on ignition at 800 °C	max 1.0 %	0.567%
5	Insoluble substances	passes test	complies
6	Chloride (Cl)	max 0.005 %	0.0012%
7	Phosphorus compounds	max 0.004 %	0.00082%
8	Sulphate (SO_4)	max 0.005 %	0.0012%
9	Calcium (Ca)	max 0.005 %	0.00055%
10	Copper (Cu)	max 0.0002 %	0.00008%
11	Iron (Fe)	max 0.005 %	0.00072%
12	Magnesium (Mg)	max 0.002 %	0.00069%
13	Potassium (K)	max 0.005 %	0.0014%
14	Silicon (Si)	max 0.01 %	0.0048%
15	Sodium (Na)	max 0.01 %	0.0052%

Corresponds to AR/ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification

SUDIROS S.Si.
Manager QC