

Identification

LiBO₂

M = 49,75 g/mol

CAS [13453-69-5]

EC number: 236-631-5

Taric code: 2840 20 90

Applications

analytical chemistry, laboratory reagent, for spectroscopy.

Specifications

assay (acidimetric).....	min. 99 %	cobalt (Co).....	max. 2 ppm
chlorides (Cl).....	max. 0,005 %	copper (Cu).....	max. 5 ppm
fluorides (F).....	max. 0,005 %	iron (Fe).....	max. 0,001 %
phosphates (as PO ₄).....	max. 0,005 %	lead (Pb).....	max. 2 ppm
silicates (SiO ₂).....	max. 0,05 %	magnesium (Mg).....	max. 0,01 %
sulfates (SO ₄).....	max. 0,01 %	manganese (Mn).....	max. 5 ppm
aluminium (Al).....	max. 0,002 %	nickel (Ni).....	max. 5 ppm
arsenic (As).....	max. 2 ppm	potassium (K).....	max. 0,005 %
barium (Ba).....	max. 0,002 %	sodium (Na).....	max. 0,01 %
cadmium (Cd).....	max. 5 ppm	strontium (Sr).....	max. 0,001 %
calcium (Ca).....	max. 0,005 %	zinc (Zn).....	max. 5 ppm
chromium (Cr).....	max. 5 ppm	residue on ignition.....	max. 1 %

Physical data

- Appearance: crystals, bright white
- Bulk density: ~ 500 - 600 kg/m³
- Solub. in water: (20 °C): almost insoluble
- Melting point: ~ 840 °C

Transport/storage

- 10°C - 30°C