

Identification

$\text{Li}_2\text{SO}_4 \cdot \text{H}_2\text{O}$

M = 127,96 g/mol

CAS [10102-25-7]

EC number: 233-820-4

Taric code: 2833 29 90

Applications

laboratory reagent, manufacture of glass, in building materials.

Specifications

| | | | |
|---|--------------|-------------------------------|---------------|
| assay (acidimetric, on dried sample)..... | min. 99,0 % | heavy metals (as Pb)..... | max. 5 ppm |
| insoluble in water..... | max. 0,01 % | iron (Fe)..... | max. 5 ppm |
| chlorides (Cl)..... | max. 0,002 % | potassium (K)..... | max. 0,05 % |
| nitrates (NO ₃)..... | max. 0,001 % | sodium (Na)..... | max. 0,05 % |
| calcium (Ca)..... | max. 0,005 % | loss on drying (150 °C) | 13,0 - 15,0 % |

Physical data

- Spec. Density: 2,05 g/cm³
- Bulk density: ~ 940 kg/m³
- Solub. in water: (20 °C): 340 g/l
- Melting point: 120 °C
- pH(50 g/l H₂O, 20 °C) 4,5 - 6,0

Transport/storage

- 10°C - 30°C