

Lanthanum(III) nitrate hexahydrate, for analysis, ExpertQ®

Identification

La(NO₃)₃·6H₂O
M = 433,02 g/mol
CAS [10277-43-7]
EC number: 233-238-0
Taric code: 2846 90 00

Applications

analytical chemistry, for biology, catalyst, in the electronic industry, stain for electron microscopy, manufacture of glass, in the ceramics industry.

Specifications

assay (complexometric).....	min. 99 %	heavy metals (as Pb).....	max. 0,002 %
insoluble in water.....	max. 0,005 %	iron (Fe).....	max. 0,002 %
chlorides (Cl).....	max. 0,005 %	magnesium (Mg).....	max. 0,002 %
sulfates (SO ₄).....	max. 0,005 %	neodymium (Nd).....	max. 0,02 %
calcium (Ca).....	max. 0,005 %	praseodymium (Pr).....	max. 0,02 %
cerium (Ce).....	max. 0,03 %	sodium (Na).....	max. 0,001 %

Physical data

- Bulk density: 1300 kg/m³
- Solub. in water: (20 °C): soluble
- Melting point: 40 °C
- Boiling point: 126 °C (decomposes)
- pH(50 g/l H₂O, 25 °C) ~ 3,4

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H272: May intensify fire; oxidiser.
H318: Causes serious eye damage.

**Precautionary Statements:**

- P221: Take any precaution to avoid mixing with combustibles.
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P370+P378: In case of fire: Use ... for extinction.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 5.1 O2 II • UN 1477 • NITRATES, INORGANIC, N.O.S.
- IMDG: 5.1 II • UN 1477 • NITRATES, INORGANIC, N.O.S.
- IATA/ICAO: 5.1 II • UN 1477 • NITRATES, INORGANIC, N.O.S.
- PAX: 508
- CAO: 511
- 10°C - 30°C