

**Identification**LaCl<sub>3</sub>·7H<sub>2</sub>O

M = 371,37 g/mol

CAS [10025-84-0]

EC number: 233-237-5

Taric code: 2846 90 00

**Applications**

analytical chemistry, laboratory reagent, desiccant (painting), catalyst (in the petrochemical industry).

**Specifications**

assay (gravimetric).....	min. 98 %	heavy metals (as Pb).....	max. 5 ppm
identity.....	passes test	iron (Fe).....	max. 5 ppm
insoluble in water.....	max. 0,005 %	lead (Pb).....	max. 5 ppm
sulfates (SO <sub>4</sub> ).....	max. 0,005 %	magnesium (Mg).....	max. 1 ppm
calcium (Ca).....	max. 0,001 %	potassium (K).....	max. 0,001 %
copper (Cu).....	max. 3 ppm	sodium (Na).....	max. 0,005 %
		zinc (Zn).....	max. 3 ppm

**Physical data**

- Appearance: humid crystals, colourless
- Bulk density: ~ 900 kg/m<sup>3</sup>
- Solub. in water: (20 °C): soluble
- Melting point: 91 °C (release of crystalline water)
- pH(100 g/l H<sub>2</sub>O, 25 °C) ~ 5
- Hygroscopic

**Transport/storage**

- 10°C - 30°C