

**Identification**

CaCl<sub>2</sub>·2H<sub>2</sub>O  
M = 147,02 g/mol  
CAS [10035-04-8]  
EC number: 233-140-8  
Taric code: 2827 20 00


**Applications**


analytical chemistry, for pharmaceuticals synthesizing, in food industry, laboratory reagent.

**Specifications**

assay (complexometric).....	99 - 105 %	heavy metals (as Pb).....	max. 0,0005 %
identity.....	passes test	iron (Fe).....	max. 0,0003 %
clarity of solution.....	passes test	lead (Pb).....	max. 0,0005 %
insoluble in water.....	max. 0,01 %	magnesium (Mg).....	max. 0,005 %
pH (5 %, H <sub>2</sub> O).....	4,5 - 8,5	magnesium and alkali metals.....	max. 0,5 %
acidity or alkalinity.....	passes test	manganese (Mn).....	max. 0,0005 %
nitrates (NO <sub>3</sub> ).....	max. 0,003 %	nickel (Ni).....	max. 0,0005 %
phosphates (as PO <sub>4</sub> ).....	max. 0,001 %	potassium (K).....	max. 0,01 %
sulfates (SO <sub>4</sub> ).....	max. 0,005 %	sodium (Na).....	max. 0,01 %
ammonium (NH <sub>4</sub> ).....	max. 0,005 %	strontium (Sr).....	max. 0,05 %
aluminium (Al).....	max. 0,0001 %	zinc (Zn).....	max. 0,001 %
barium (Ba).....	max. 0,003 %	oxidizing substances (as NO <sub>3</sub> ).....	max. 0,003 %
copper (Cu).....	max. 0,0005 %		

**Packaging**
**Packaging Code**

500 g  CA01940500

1 kg  CA01941000

5 kg  CA0194005P

**Physical data**

- Appearance: crystals, white
- Spec. Density: 1,85 g/cm<sup>3</sup>
- Melting point: ~ 176 °C
- pH(100 g/l H<sub>2</sub>O, 20 °C) ~ 4,5 - 6,5
- Hygroscopic

**Safety - GHS**

**Signal Word:** Warning


**Hazard Statements:**

H319: Causes serious eye irritation.

**Precautionary Statements:**

P280: Wear protective gloves / protective clothing / eye protection / face protection.

P264: Wash thoroughly after handling.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice / attention.

**Toxicological data**

• LD 50 (oral, rat): 1000 mg/kg (anhydrous substance)

• WGK: 1

• Poison class CH (Swiss): F