

IdentificationCaCl₂·2H₂O

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 %	copper (Cu).....	max. 5 ppm
identity.....	passes test	heavy metals (as Pb).....	max. 5 ppm
appearance of solution.....	passes test	iron (Fe).....	max. 3 ppm
insoluble in water.....	max. 0,01 %	lead (Pb).....	max. 5 ppm
pH (5 %, H ₂ O).....	4,5 - 8,5	magnesium (Mg).....	max. 0,005 %
acidity or alkalinity.....	passes test	magnesium and alkali metals.....	max. 0,5 %
nitrates (NO ₃).....	max. 0,003 %	manganese (Mn).....	max. 5 ppm
phosphates (as PO ₄).....	max. 0,001 %	nickel (Ni).....	max. 5 ppm
sulfates (SO ₄).....	max. 0,005 %	potassium (K).....	max. 0,01 %
ammonium (NH ₄).....	max. 0,005 %	sodium (Na).....	max. 0,01 %
aluminium (Al).....	max. 1 ppm	strontium (Sr).....	max. 0,05 %
barium (Ba).....	max. 0,003 %	zinc (Zn).....	max. 0,001 %
		oxidizing substances (as NO ₃).....	max. 0,003 %

Physical data

- Appearance: crystals, white
- Spec. Density: 1,85 g/cm³
- Melting point: ~ 176 °C
- pH(100 g/l H₂O, 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.

Transport/storage

- 10°C - 30°C