

Identification

CaSO₄·2H₂O
M = 172,17 g/mol
CAS [10101-41-4]
EC number: 231-900-3
Taric code: 2833 29 90

Synonyms

Sulfuric acid calcium salt dihydrate

Applications

analytical chemistry, laboratory reagent, in building materials, synthesis of organic products, for pharmaceuticals synthesizing, in pharma industry.

Specifications

assay (complexometric).....	98,0 - 102,0 %	acidity or alkalinity.....	passes test
assay (complexometric, referred to		chlorides (Cl).....	max. 300 ppm
dried sample).....	98,0 - 101,0 %	arsenic (As).....	max. 10 ppm
Identification sulfates.....	passes test	iron (Fe).....	max. 100 ppm
Identification calcium.....	passes test	loss on ignition (800 °C).....	18,0 - 22,0 %
		loss on drying (250 °C).....	19,0 - 23,0 %

Physical data

- Appearance: powder, white or almost white
- Spec. Density: 2,32 g/cm³
- Bulk density: ~ 400 - 600 kg/m³
- Solub. in water: (20 °C): ~ 2 g/l
- pH(50 g/l H₂O, 20 °C) 7,0

Transport/storage

- 10°C - 30°C