

**Identification**CaSO<sub>4</sub>·2H<sub>2</sub>O

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.

**Specifications**

assay (complexometric).....	98,0 - 102,0 %	nitrites (NO <sub>2</sub> ).....	passes test
identity ( IR-spectrum).....	passes test	heavy metals.....	max. 0,002 %
insoluble in diluted HCl.....	max. 0,02 %	iron (Fe).....	max. 0,001 %
appearance of solution (2,5 % in HCl 10 %).....	passes test	magnesium (Mg).....	max. 0,01 %
carbonates (CO <sub>3</sub> ).....	passes test	potassium (K).....	max. 0,005 %
chlorides (Cl).....	max. 0,005 %	sodium (Na).....	max. 0,02 %
		strontium (Sr) .....	max. 0,05 %

**Physical data**

- Appearance: powder, white or almost white
- Spec. Density: 2,32 g/cm<sup>3</sup>
- Bulk density: ~ 400 - 600 kg/m<sup>3</sup>
- Solub. in water: (20 °C): ~ 2 g/l
- pH(50 g/l H<sub>2</sub>O, 20 °C) 7,0

**Transport/storage**

- 10°C - 30°C