

Calcium carbonate, secondary standard for volumetric titrations,
Titrasure®**Identification**

CaCO₃
M = 100,09 g/mol
CAS [471-34-1]
EC number: 207-439-9
Taric code: 2836 50 00

Synonyms

Lime, Chalk, Marble

Specifications

assay (on dried sample).....99,5 - 100,1 %
insoluble in diluted HCl..... max. 0,01 %
chlorides (Cl).....max. 0,001 %
fluorides (F).....max. 0,0015 %
sulfates (SO₄).....max. 0,005 %
ammonium (NH₄).....max. 0,003 %
barium (Ba)..... max. 0,01 %

heavy metals (as Pb)..... max. 0,001 %
iron (Fe)..... max. 0,002 %
magnesium (Mg)..... max. 0,01 %
potassium (K).....max. 0,01 %
sodium (Na)..... max. 0,01 %
strontium (Sr) max. 0,1 %

This standard solution is traceable to Standard Reference Material from NIST.

Physical data

- Spec. Density: 2,71 g/cm³
- Bulk density: ~ 400 - 700 kg/m³
- Solub. in water: (20 °C): 14 mg/l
- Melting point: 825 °C (decomposes)
- pH(100 g/l H₂O, 20 °C) ~ 9,5 - 10,5

Transport/storage

- 10°C - 30°C