

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 %	heavy metals (as Pb).....	max. 0,001 %
insoluble in diluted HCl.....	max. 0,01 %	iron (Fe).....	max. 0,002 %
chlorides (Cl).....	max. 0,001 %	magnesium (Mg).....	max. 0,01 %
fluorides (F).....	max. 0,0015 %	potassium (K).....	max. 0,01 %
sulfates (SO ₄).....	max. 0,005 %	sodium (Na).....	max. 0,01 %
ammonium (NH ₄).....	max. 0,003 %	strontium (Sr)	max. 0,1 %
barium (Ba).....	max. 0,01 %		

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