

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

CaCO<sub>3</sub>  
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 <sub>4</sub> ).....	max. 0,005 %	sodium (Na).....	max. 0,01 %
ammonium (NH <sub>4</sub> ).....	max. 0,003 %	strontium (Sr).....	max. 0,1 %
barium (Ba).....	max. 0,01 %		

**Packaging****Packaging Code**

CA01850 ☐ CA01850060

**Physical data**

- Spec. Density: 2,71 g/cm<sup>3</sup>
- Bulk density: ~ 400 - 700 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 14 mg/l
- Melting point: 825 °C (decomposes)
- pH(100 g/l H<sub>2</sub>O, 20 °C) ~ 9,5 - 10,5

**Toxicological data**

- LD 50 (oral, rat): 6450 mg/kg
- WGK: 0
- Poison class CH (Swiss): F