

**Calcium carbonate, precipitated, for analysis, ExpertQ®, Reag. Ph
Eur****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

Applications

painting, in the rubber industry, plasticizer, dentifrices, in porcelain industry, insecticide, in food industry, cosmetics, for pharmaceuticals synthesizing.

Specifications

assay (complexometric, on dried sample).....	98,5 - 100,5 %	chlorides (Cl).....	max. 330 ppm
Identification A (EP).....	passes test	sulfates (SO ₄).....	max. 0,25 %
Identification B (EP).....	passes test	iron (Fe).....	max. 200 ppm
insoluble in CH ₃ COOH.....	max. 0,2 %	magnesium and alkali metals.....	max. 1,5 %
		loss on drying (200°C).....	max. 2,0 %

Physical data

- Appearance: lumpy powder, white or almost white
- 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