

**PRODUCT CODE: 141212****Calcium Carbonate precipitated (USP, BP, Ph. Eur.) pure, pharma grade**

CCaO₃CaCO₃

M.= 100,09

CAS [471-34-1]

EINECS 207-439-9

TARIC 2836 50 00 00

PHYSICAL DATA: powder, White, Very slightly soluble in water. Thermal decom. above 825 °C • D 20/4 2,71 • M.P.: 825 °C • pH(50 g/l)9 •

BIBLIOGRAPHY: Merck Index **12**, 1.697 13, 1.658 Römp **8**, **563** • Fieser **1103 257 467 589** • ACS **XI** • ISO 6363/3-1987 R - 53, 17 • BP.**2020** • USP **42** • Ph. Eur. **9.0** (2017) 5.1, 2894 **10.0** (2020) 5.1, 2894 • F.C.C **10 11** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: FF 9335000 • LD50 oral rat 6.450 mg/kg •

SPECIFICATIONS:

Assay (Compl.) calc. a.d.s.	98,5-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test

Maximum limit of impurities

Insoluble matter in acid	0,2 %
Loss on drying at 200°C	2,0%
Chloride (Cl)	0,033%
Sulfate (SO ₄)	0,25%
Residual solvents (Ph.Eur/USP)	passes test
Fluoride (F)	0,005%
Magnesium and alkali salts	1,0%
Heavy metals (as Pb)	0,002%

As	0,00015 %
Ba	passes test
Cd	0,00005 %
Fe	0,02 %
Hg	0,00005 %
Pb	0,00005 %

Elemental impurities according to ICH Q3D guide: Lead below 0.8 ppm and Thallium below 2 ppm can be present. The rest of the elements of Class 1-3 elements are not likely to be present above the limits of ICH Q3D option 1.

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Prod.: 141212