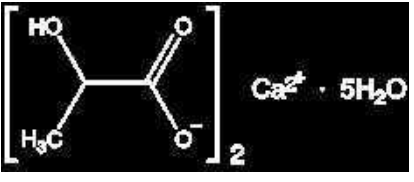


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CALCIUM LACTATE PENTAHYDRATE

CA0225 Calcium lactate pentahydrate, extra pure, Pharpur®, Ph Eur, BP, USP



- Synonyms: Lactic acid calcium salt pentahydrate
- $C_6H_{10}CaO_7 \cdot 5H_2O$
- $M = 308,30 \text{ g/mol}$
- CAS [28305-25-1]
- EINECS-No.: 248-953-3
- Solub. in water: (20 °C): 66 g/l
- Melting point: 240 °C
- Tariff number: 2918 11 00 00
- Applications: in food industry (preservative agent), dentifrices, in pharma industry.

assay (complexometric, referred to dried sample) 98,0 - 101,0 %
 identification passes test
 appearance of solution passes test
 acidity or alkalinity passes test
 free acid (as lactic acid) max. 0,45 %
 chlorides (Cl) max. 200 ppm
 sulfates (SO₄) max. 400 ppm
 barium (Ba) passes test
 iron (Fe) max. 50 ppm
 magnesium and alkaline salts max. 1,0 %
 volatile fatty acids passes test
 loss on drying (125°C) 22,0 - 27,0 %
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
CA02250500	500 g	P
CA02251000	1 kg	P

CALCIUM NITRATE TETRAHYDRATE

CA0230 Calcium nitrate tetrahydrate, EssentQ®

- Synonyms: Nitric acid calcium salt tetrahydrate
- $Ca(NO_3)_2 \cdot 4H_2O$
- $M = 236,15 \text{ g/mol}$
- CAS [13477-34-4]
- EINECS-No.: 233-332-1
- Solub. in water: (20 °C): soluble
- Melting point: 42 °C

- LD 50 (oral, rat): 3900 mg/kg
- ADR: 5.1 O2 III UN 1454
- IMDG: 5.1 III UN 1454
- IATA/ICAO: 5.1 III UN 1454
- GHS-signal word: Warning
- GHS-H sentences: H272

- GHS-P sentences: P221 - P210 - P220 - P280 - P370 + P378a - P501a
- Tariff number: 2834 29 80 00
- Applications: analytical chemistry, in pyrotechnics, in the electronic industry, in fertilizer compositions.
- Appearance: White crystals

CA0230 Calcium nitrate tetrahydrate, EssentQ®

assay (complexometric) min. 98 %
 insoluble in water max. 0,01 %
 pH (5 %, H₂O) 4 - 7
 acidity (as HNO₃) max. 0,05 %
 chlorides (Cl) max. 0,005 %
 sulfates (SO₄) max. 0,02 %
 ammonium (NH₄) max. 0,005 %
 copper (Cu) max. 0,002 %
 iron (Fe) max. 0,002 %
 lead (Pb) max. 0,002 %
 nickel (Ni) max. 0,002 %
 non precipitable by ammonium
 oxalate (as SO₄) max. 0,3 %

ART. NO.	VOLUME	CONTAINER
CA02300500	500 g	P
CA02301000	1 kg	P
CA0230005P	5 kg	P
CA0230025P	25 kg	P

CA0231 Calcium nitrate tetrahydrate, ExpertQ®, for analysis, ACS

assay (complexometric) 99 - 103 %
 insoluble in water max. 0,005 %
 pH (5 %, H₂O) 5 - 7
 chlorides (Cl) max. 0,005 %
 nitrites (NO₂) max. 0,001 %
 sulfates (SO₄) max. 0,002 %
 ammonium (NH₄) max. 0,005 %
 barium (Ba) max. 0,005 %
 copper (Cu) max. 0,0002 %
 heavy metals (as Pb) max. 0,0005 %
 iron (Fe) max. 0,0005 %
 lead (Pb) max. 0,0005 %
 magnesium (Mg) max. 0,01 %
 potassium (K) max. 0,005 %
 sodium (Na) max. 0,01 %
 strontium (Sr) max. 0,01 %

ART. NO.	VOLUME	CONTAINER
CA02310500	500 g	P
CA02311000	1 kg	P
CA0231005P	5 kg	P
CA0231025P	25 kg	P

CALCIUM OXIDE

CA0260 Calcium oxide, natural, blocks

- Synonyms: Lime, caustic; Quicklime
- CaO
- $M = 56,08 \text{ g/mol}$
- CAS [1305-78-8]
- EINECS-No.: 215-138-9
- Solub. in water: (20 °C): 1,65 g/l (exothermic reaction)
- Melting point: 2580 °C
- Boiling point: 2850 °C
- IATA/ICAO: 8 III UN 1910
- GHS-signal word: Danger
- GHS-H sentences: H318
- GHS-P sentences: P280 - P305 + P351 + P338 - P310
- Tariff number: 2825 90 19 00

- Applications: analytical chemistry, for pharmaceutical use, absorbent for: water and carbon dioxide, laboratory reagent.

assay (complexometric) min. 90 %
 chlorides (Cl) max. 0,05 %
 sulfates (SO₄) max. 0,1 %
 copper (Cu) max. 0,01 %
 iron (Fe) max. 0,1 %
 nickel (Ni) max. 0,01 %
 lead (Pb) max. 0,01 %

ART. NO.	VOLUME	CONTAINER
CA02600500	500 g	P
CA02601000	1 kg	P
CA0260005P	5 kg	P
CA0260025P	25 kg	P