

TRI-CALCIUM PHOSPHATE

CA0205 tri-Calcium phosphate anhydrous, extra pure, Phampur®, Ph Eur, BP

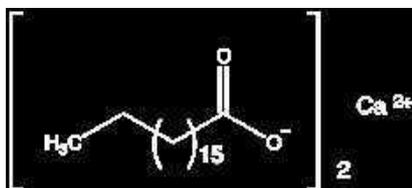
- Synonyms: Calcium phosphate tribasic, Tricalcium orthophosphate
- $\text{Ca}_3(\text{PO}_4)_2$
- M = 310,18 g/mol
- CAS [7758-87-4]
- EINECS-No.: 231-840-8
- Solub. in water: (20 °C): insoluble
- Melting point: ~ 1730 °C
- Tariff number: 2835 26 10 00
- Applications: in food industry (E-341), emulsifier, in the pharmaceuticals industry, in pharma industry.

assay (complexometric, as Ca) 35,0 - 40,0 %
 identification passes test
 acid-insoluble matter max. 0,2 %
 chlorides (Cl) max. 0,15 %
 fluorides (F) max. 75 ppm
 sulfates (SO_4) max. 0,5 %
 arsenic (As) max. 4 ppm
 iron (Fe) max. 400 ppm
 residue on ignition (800 °C) max. 8,0 %
 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
CA02050500	500 g	P
CA02051000	1 kg	P
CA0205005P	5 kg	P
CA0205025P	25 kg	P

CALCIUM STEARATE

CA0200 Calcium stearate, EssentQ®



- Synonyms: Stearic acid calcium salt
- $\text{C}_{36}\text{H}_{70}\text{CaO}_4$
- M = 607,04 g/mol
- CAS [1592-23-0]
- EINECS-No.: 216-472-8
- Solub. in water: (20 °C): 2,2 mg/l
- Melting point: 147 - 149 °C
- Ignition temp.: 460 °C
- LD 50 (oral, rat): > 10000 mg/kg
- Tariff number: 2915 70 30 00
- Applications: in building materials, in explosive compositions, plasticizer, in lubricant compositions, in food industry, for pharmaceutical use.

assay (complexometric, as Ca) 6,4 - 7,4 %
 assay (complexometric, as CaO) 9,0 - 10,5 %
 identification passes test
 stearic acid in the fatty acid fraction min. 40 %
 sum of stearic acid and palmitic acid in the fatty acid fraction min. 90 %
 acidity or alkalinity passes test
 chlorides (Cl) max. 0,1 %
 sulfates (SO_4) max. 0,3 %
 arsenic (As) max. 3 ppm
 cadmium (Cd) max. 3 ppm
 heavy metals (as Pb) max. 0,001 %
 lead (Pb) max. 0,001 %
 mercury (Hg) max. 1 ppm
 nickel (Ni) max. 5 ppm
 zinc (Zn) max. 0,002 %
 loss on drying (105°C) max. 4 %

ART. NO.	VOLUME	CONTAINER
CA02000500	500 g	P
CA02001000	1 kg	P
CA0200005P	5 kg	P
CA0200020P	20 kg	P

CALCIUM SULFATE DIHYDRATE

- Synonyms: Sulfuric acid calcium salt dihydrate
- $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
- M = 172,17 g/mol
- CAS [10101-41-4]

- EINECS-No.: 231-900-3
- Solub. in water: (20 °C): ~ 2 g/l
- Tariff number: 2833 29 90 00

- Applications: analytical chemistry, laboratory reagent, in building materials, synthesis of organic products, for pharmaceutical use.

CA0284 Calcium sulfate dihydrate, extra pure, Phampur®, Ph Eur, BP, NF

assay (complexometric) 98,0 - 102,0 %
 assay (complexometric, referred to dried sample) 98,0 - 101,0 %
 identification passes test
 acidity or alkalinity passes test
 chlorides (Cl) max. 300 ppm
 arsenic (As) max. 10 ppm

iron (Fe) max. 100 ppm
 loss on ignition (800 °C) 18,0 - 22,0 %
 loss on drying (250 °C) 19,0 - 23,0 %
 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
CA02840500	500 g	P
CA02841000	1 kg	P
CA0284005P	5 kg	P

CA0285 Calcium sulfate dihydrate, ExpertQ®, for analysis, ACS

assay (complexometric) 98,0 - 102,0 %
 identity (IR-spectrum) passes test
 insoluble in diluted HCl max. 0,02 %
 appearance of solution (2,5 % in HCl 10 %) passes test
 carbonates (CO_3) passes test
 chlorides (Cl) max. 0,005 %
 nitrates (NO_3) passes test

heavy metals max. 0,002 %
 iron (Fe) max. 0,001 %
 magnesium (Mg) max. 0,01 %
 potassium (K) max. 0,005 %
 sodium (Na) max. 0,02 %
 strontium (Sr) max. 0,05 %

ART. NO.	VOLUME	CONTAINER
CA02850250	250 g	P
CA02850500	500 g	P
CA02851000	1 kg	P
CA0285005P	5 kg	P
CA0285025P	25 kg	P