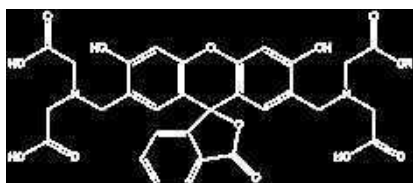


## CALCEIN

CA0165 Calcein, indicator for metal titration



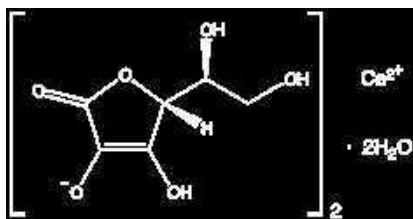
- Synonyms: 2,7-Bis[bis(carboxymethyl)aminomethyl] fluorescein, Fluorescein complexon, Fluorexon
- $C_{30}H_{26}N_2O_{13}$
- M = 622,55 g/mol
- CAS [1461-15-0]
- EINECS-No.: 215-957-1
- Solub. in water: (20 °C): sparingly soluble
- Tariff number: 3204 19 00 90
- Applications: analytical chemistry, indicator, for determination of: calcium.

Absorption maximum  $\lambda$  (in NaOH)  
 0,002 M ..... 492 - 500 nm  
 Absorptivity (A1%/1 cm;  $\lambda$  max.) ..... 800 - 1000  
 insoluble in NaOH ..... passes test  
 loss on drying (135°C) ..... max.10 %  
 Suitability as complexometric indicator ..... passes test

ART. NO.	VOLUME	CONTAINER
CA01650001	1 g	0
CA01650005	5 g	0

## CALCIUM L(+)-ASCORBATE

CA0180 Calcium L(+)-ascorbate, extra pure, Pharmpur®, USP



- Synonyms: L-(+)-Ascorbic acid calcium salt
- $C_{12}H_{14}CaO_{12} \cdot 2H_2O$
- M = 426,35 g/mol
- CAS [5743-28-2]
- EINECS-No.: 227-261-5
- Solub. in water: (20 °C): soluble
- Tariff number: 2936 27 00 00
- Applications: antioxidant (in food industry), in the pharmaceuticals industry, in pharma industry.

assay (iodometric) ..... 98,0 - 101,0 %  
 identification ..... passes test  
 pH (1 %,  $H_2O$ ) ..... 6,8 - 7,4  
 specific rotation ( $[\alpha]_D^{25}$ ; c=5,  $H_2O$ ) ..... + 95 - + 97 °  
 fluorides (F) ..... max. 10 ppm  
 arsenic (As) ..... max. 3 ppm  
 loss on drying (105 °C) ..... max. 0,1 %  
 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
CA01801000	1 kg	0

## CALCIUM CARBONATE, PRECIPITATED

- Synonyms: Lime, Chalk, Marble
- $CaCO_3$
- M = 100,09 g/mol
- CAS [471-34-1]

- EINECS-No.: 207-439-9
- Solub. in water: (20 °C): 14 mg/l
- Melting point: 825 °C (decomposes)
- LD 50 (oral, rat): 6450 mg/kg

- Tariff number: 2836 50 00 00
- Applications: painting, in the rubber industry, plasticizer, dentifrices, in porcelain industry, insecticide, in food industry, cosmetics, for pharmaceutical use.

CA0182 Calcium carbonate, precipitated, extra pure, Pharmpur®, Ph Eur, BP, USP

assay (complexometric, on dried sample) ..... 98,5 - 100,5 %  
 identification ..... passes test  
 insoluble in  $CH_3COOH$  ..... max. 0,2 %  
 insoluble in HCl ..... max. 0,2 %  
 chlorides (Cl) ..... max. 0,033%  
 sulfates ( $SO_4$ ) ..... max. 0,25 %  
 arsenic (As) ..... max. 3 ppm  
 barium (Ba) ..... passes test

heavy metals (as Pb) ..... max. 0,002 %  
 mercury (Hg) ..... max. 0,5 ppm  
 fluorides (F) ..... max. 0,005 %  
 lead (Pb) ..... max. 3 ppm  
 iron (Fe) ..... max. 200 ppm  
 magnesium and alkali metals ..... max. 1,5 %  
 loss on drying (200°C, 4 h) ..... max. 2 %  
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
CA01820100	100 ml	0
CA01820500	500 g	0
CA01821000	1 kg	0
CA0182005P	5 kg	0
CA0182025P	25 kg	0

CA0184 Calcium carbonate, precipitated, ExpertQ®, for analysis, Reag. Ph Eur

assay (complexometric, on dried sample) ..... min. 99 %  
 insoluble in  $CH_3COOH$  ..... max. 0,2 %  
 insoluble in HCl ..... max. 0,005 %  
 total nitrogen (as N) ..... max. 0,001 %  
 chlorides (Cl) ..... max. 0,005 %  
 sulfates ( $SO_4$ ) ..... max. 0,02 %  
 aluminium (Al) ..... max. 0,005 %  
 arsenic (As) ..... max. 4 ppm  
 barium (Ba) ..... max. 0,005 %  
 copper (Cu) ..... max. 5 ppm  
 heavy metals (as Pb) ..... max. 0,002 %

iron (Fe) ..... max. 200 ppm  
 lead (Pb) ..... max. 5 ppm  
 magnesium (Mg) ..... max. 0,05 %  
 magnesium and alkali metals ..... max. 1,5 %  
 potassium (K) ..... max. 0,01 %  
 sodium (Na) ..... max. 0,2 %  
 strontium (Sr) ..... max. 0,1 %  
 zinc (Zn) ..... max. 0,001 %  
 non precipitable with  $(NH_4)_2C_2O_4$  ..... max. 1 %  
 loss on drying (200°C, 4 h) ..... max. 0,1 %

ART. NO.	VOLUME	CONTAINER
CA01840500	500 g	0
CA01841000	1 kg	0
CA0184025P	25 kg	0

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
O  
P  
Q  
R  
S  
T  
U  
V  
W  
X  
Y  
Z