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CA0193 Calcium chloride dihydrate, powder, extra pure, Phampur®, Ph Eur, BP, USP



assay (complexometric) 99,0 -103,0 %
 identification passes test
 appearance of solution passes test
 pH (5 %, H₂O) 4,5 - 9,2
 acidity or alkalinity passes test
 sulfates (SO₄) max. 300 ppm
 aluminium (Al) passes test
 barium (Ba) passes test

iron (Fe) max. 10 ppm
 iron, aluminium and phosphates passes test
 magnesium and alkali metals max. 0,5 %
 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
CA01930500	500 g	Ⓟ
CA01931000	1 kg	Ⓟ
CA0193005P	5 kg	Ⓟ
CA0193025P	25 kg	Ⓟ

CA0194 Calcium chloride dihydrate, powder, ExpertQ®, for analysis, ACS



assay (complexometric) 99 - 105 %
 identity passes test
 appearance of solution passes test
 insoluble in water max. 0,01 %
 pH (5 %, H₂O) 4,5 - 8,5
 acidity or alkalinity passes test
 nitrates (NO₃) max. 0,003 %
 phosphates (as PO₄) max. 0,001 %
 sulfates (SO₄) max. 0,005 %
 ammonium (NH₄) max. 0,005 %
 aluminium (Al) max. 1 ppm
 barium (Ba) max. 0,003 %
 copper (Cu) max. 5 ppm

heavy metals max. 5 ppm
 iron (Fe) max. 3 ppm
 lead (Pb) max. 5 ppm
 magnesium (Mg) max. 0,005 %
 magnesium and alkali metals max. 0,5 %
 manganese (Mn) max. 5 ppm
 nickel (Ni) max. 5 ppm
 potassium (K) max. 0,01 %
 sodium (Na) max. 0,01 %
 strontium (Sr) max. 0,05 %
 zinc (Zn) max. 0,001 %
 oxidizing substances (as NO₃) max. 0,003 %

ART. NO.	VOLUME	CONTAINER
CA01940500	500 g	Ⓟ
CA01941000	1 kg	Ⓟ
CA0194005P	5 kg	Ⓟ

CA0198 Calcium chloride dihydrate, molecular biology grade



assay (complexometric) min. 99,5 %
 pH (5 %, H₂O) 6 - 8
 heavy metals (as Pb) max. 0,0005 %
 DNases, RNases, Proteases non detected

ART. NO.	VOLUME	CONTAINER
CA01980250	250 g	Ⓟ
CA01981000	1 kg	Ⓟ

ART. NO.	VOLUME	CONTAINER
CA0198025P	25 kg	Ⓟ

CALCIUM CHLORIDE, VOLUMETRIC SOLUTIONS

CA0195 Calcium chloride, solution 1 mol/l



- CaCl₂
- M = 110,99 g/mol
- CAS [10043-52-4]
- EINECS-No.: 233-140-8
- Density: 1,08 g/cm³
- LD 50 (oral, rat): 1000 mg/kg (pure substance)
- EC-Index-No.: 017-013-00-2
- GHS-signal word: Warning
- GHS-H sentences: H319
- GHS-P sentences: P280 - P264 - P305 + P351 + P338 - P337 + P313
- Tariff number: 2827 20 00 00
- Applications: analytical chemistry, in food industry, in antifreeze compositions.

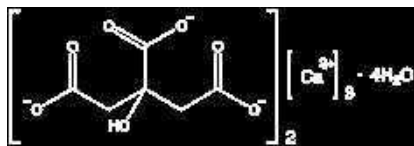
factor 0,999 - 1,001
 uncertainty ± 0,001
 1 ml = 0,11099 g CaCl₂

This volumetric solution was checked by means of potentiometric methods using an EDTA disodium salt standard solution, that was also checked against Scharlau's calcium carbonate volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
CA01951000	1 l	Ⓟ

TRI-CALCIUM DICITRATE TETRAHYDRATE, POWDER

CA0203 tri-Calcium dicitrate tetrahydrate, powder, extra pure, Phampur®, USP



- Synonyms: Calcium citrate, 2-Hydroxy-1,2,3-propanetricarboxylic acid calcium salt (2:3)
- C₁₂H₁₀Ca₃O₁₄·4H₂O
- M = 570,51 g/mol
- CAS [5785-44-4]
- EINECS-No.: 212-391-7
- Solub. in water: (20 °C): ~ 1 g/l
- Tariff number: 2918 15 00 90
- Applications: pharmaceutical and food industries, in pharma industry.

assay (complexometric, on dried sample) 97,5 - 100,5 %
 identification passes test
 acid-insoluble matter max. 0,2 %
 fluorides (F) max. 0,003 %
 arsenic (As) max. 3 ppm
 lead (Pb) max. 10 ppm
 loss on drying (150°C, 4 h) 10,0 - 13,3 %
 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
CA02031000	1 kg	Ⓟ
CA0203025P	25 kg	Ⓟ