

**PRODUCT CODE: 191232****Calcium Chloride 2-hydrate powder (USP, BP, Ph. Eur.) pharma grade**

CaCl₂·2H₂OCaCl₂·2H₂O

M.= 147,02

CAS [10035-04-8]

EINECS 233-140-8

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PHYSICAL DATA: crystalline powder, White, Soluble in water 1.000 g/l at 1 °C D 20/4 1,85 • M.P.: 175 °C • pH4,5 - 6,5 •

BIBLIOGRAPHY: Merck Index **13**, 1.660 14, 1.659 Safety **2**, **666 B** • Römp **8**, **566** • Fieser **1104 4368 10251** • ACS **XI** • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • BOE **243**(8-11-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: C.E: 017-013-00-2 • RTECS: EV 9810000 • LD50 oral rat 1.000 mg/kg •



H: H319 •

P: P264 • P280 • P305+P351+P338 • P337+P313 •

SPECIFICATIONS:

Assay (as CaCl ₂ ·2H ₂ O) (Compl.)	99,0-103,0%
Identity :	
Identity according to Pharmacopoeias:	passes test
pH of 5% solution	4,5-9,2

Maximum limit of impurities

Appearance of solution	passes test
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Acidity or alkalinity	passes test
Sulfate (SO ₄)	0,03%
Residual solvents (Ph.Eur/USP)	passes test
Magnesium and alkali salts	0,5%
Iron, Aluminium and Phosphate	passes test
Heavy metals (as Pb)	0,001%
Al	0,0001 %
Ba	passes test
Fe	0,001 %
Elemental impurities (ICH Q3D):	
Class 1	
Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm
Class 2A	
Co	5 ppm
V	10 ppm
Ni	20 ppm
Class 2B	
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm
Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm