



**PRODUCT CODE: 131232**

**Calcium Chloride 2-hydrate powder (Reag. USP) for analysis, ACS**

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CaCl<sub>2</sub>·2H<sub>2</sub>O

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M.= 147,02

CAS [10035-04-8]

EINECS 233-140-8

TARIC 2827 20 00 00

**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.**2023** • USP **43** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **12 13** • BOE **243**(8-11-2009) • Regulation (EU) n° 231/2012 •

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**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 •

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**SPECIFICATIONS:**

Assay (Compl.) 99,0-105,0%

pH of 5% solution 4,5-8,5

**Maximum limit of impurities**

Acidity(as HCl) 0,005%

Insoluble matter in H<sub>2</sub>O 0,01 %

Ammonium (NH<sub>4</sub>) 0,005%

Phosphate (PO4)	0,001 %
Sulfate (SO4)	0,01%
Oxidizing substances	0,003%
As	0,0001 %
Heavy Metals (ICP-OES)	0,0005 %

**Metals by ICP [in mg/Kg (ppm)]**

Al	10
Ba	50
Bi	5
Cd	5
Co	5
Cr	5
Cu	5
Fe	10
K	100
Li	5
Mg	50
Mn	5
Mo	5
Na	200
Ni	5
Pb	5
Sr	100
Tl	5
Zn	10