

**PRODUCT CODE: 142400****Calcium Hydroxide, powder (USP, BP, Ph. Eur., JP) pure, pharma grade**

H₂CaO₂
Ca(OH)₂

M.= 74,09 CAS [1305-62-0] EINECS 215-137-3
TARIC 2825 90 19 00

SYNONYMS: Slaked lime

PHYSICAL DATA: powder, White, Soluble in water 1,7 g/l at 20 C Thermal decom. above 550 C · D 20/4 2,24 · pH12,1 - 12,5 ·

BIBLIOGRAPHY: Merck Index **12**, 1.716 13, 1.675 Sax **CAT250** · Safety **2** , **667 B** · Rmp **8** , **568** · K?hn-Birett **C 54** · ACS **XI** · BP.**2020** · USP **42** · Ph. Eur. **9.0** (2017) **10.0** (2020) · F.C.C **11 12** · Royal Decree **I1090** · BOE **243**(8-10-2009) · Directive 2009/10/EC · Regulation (EU) n 231/2012JP XV ·

HAZARDOUS:RTECS: EW 2800000 · LD50 oral rat 7.340 mg/kg · VLA-ED (Ca(OH)2) 5 mg/m3



H: H315 · H318 · H335 ·

P: P264 · P280 · P302+P352 · P321 · P332+P313 · P501 · P362 ·

SPECIFICATIONS:

| | |
|---------------------------------------|-------------|
| Assay (Compl.) | 95,0-100,5% |
| Identity : | |
| Identity according to Pharmacopoeias: | passes test |

Maximum limit of impurities

| | |
|-------------------------|-------|
| Insoluble matter in HCl | 0,5 % |
|-------------------------|-------|

| | |
|-----------------------------------|-------------|
| Chloride (Cl) | 0,033% |
| Sulfate (SO ₄) | 0,4% |
| Carbonate (as CaCO ₃) | 5,0% |
| Carbonate (USP) | passes test |
| Residual solvents (Ph.Eur/USP) | passes test |
| Magnesium and alkali salts | 4,0% |
| Heavy metals (as Pb) | 0,002% |
| 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 |
| 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 |