

Calcium hydrogen phosphate dihydrate, Pharmpur®, Ph Eur, BP, USP**Identification**

CaHPO₄·2H₂O
M = 172,10 g/mol
CAS [7789-77-7]
EC number: 231-826-1
Taric code: 2835 25 10

Synonyms

Calcium phosphate dibasic

Applications

analytical chemistry, in food industry, manufacture of glass, for dentistry, in pharma industry.

Specifications

assay (complexometric).....	98,0 - 100,5 %	fluorides (F).....	max. 50 ppm
Identification A (EP/USP).....	passes test	sulfates (SO ₄).....	max. 0,5 %
Identification B (EP/USP).....	passes test	arsenic (As).....	max. 3 ppm
insoluble in HCl	max. 0,2 %	barium (Ba).....	passes test
carbonates (as CO ₂).....	passes test	iron (Fe).....	max. 400 ppm
chlorides (Cl).....	max. 0,25 %	residue on ignition (800 °C).....	24,5 - 26,5 %

Physical data

- Spec. Density: 2,32 g/cm³
- Bulk density: ~ 550 kg/m³
- Solub. in water: (25 °C): 0,2 g/l
- pH(100 g/l H₂O, 25 °C) 7,5

Transport/storage

- 15°C - 25°C