

Identification $\text{Ca}_3(\text{PO}_4)_2$

M = 310,18 g/mol

CAS [7758-87-4]

EC number: 231-840-8

Taric code: 2835 26 10

Synonyms

Calcium phosphate tribasic, Tricalcium ortophosphate

Applications

in food industry (E-341), emulsifier, in the pharmaceuticals industry, in pharma industry.

Specifications

assay (complexometric, as Ca).....	35,0 - 40,0 %	fluorides (F).....	max. 75 ppm
Identification A (EP).....	passes test	sulfates (SO_4).....	max. 0,5 %
Identification calcium.....	passes test	arsenic (As).....	max. 2 ppm
Identification C (EP).....	passes test	lead (Pb).....	max. 1 ppm
acid-insoluble matter.....	max. 0,2 %	iron (Fe).....	max. 400 ppm
chlorides (Cl).....	max. 0,15 %	residue on ignition (800°C, 30 min).....	max. 8,0 %

Physical data

- Bulk density: ~ 750 kg/m³
- Solub. in water: (20 °C): insoluble
- Melting point: ~ 1730 °C
- pH(50 g/l H₂O suspension, 20 °C) 6 - 8

Transport/storage

- 10°C - 30°C