

DICALCIUM PHOSPHATE - 18% Gruppo FOSFITALIA

**Calcium Monohydrogen phosphate hydrate,
chemically obtained from inorganic sources. (Dicalcium Phosphate 18%)**

IDENTIFICATION

Chemical substance
CaHPO₄·xH₂O
Synonyms and commercial names
Dicalcium phosphate
Calcium phosphate, dibasic
DCP

CAS n° [7789-77-7]
EINECS n° [2318261]

SPECIFICATIONS AND QUALITY PARAMETERS

Phosphorus.....18.0% ± 0,2% (Met. 71/393/EEC)
Calcium.....23.0 - 25.0% (Met. 71/250/EEC)
Moisture2.5% max.
Fluorides.....0.20% max.
Cadmium.....< 10 mg/kg
Lead.....< 5 mg/kg
Arsenic.....< 5 mg/kg

Bioavailability indicators

Solubility in:
-citric acid 2%.....98% min. (Met. 77/535/EEC 3.1.3)
-neutral ammonium citrate..98% min. (Met. 77/535/EEC 3.1.4)
-alkaline ammonium citrate..98% min. (Met. 771/535/EEC 3.1.5.1)
pH (10%)5.0 - 6.0

DESCRIPTION

Feed grade dicalcium phosphate, chemically obtained by means of controlled reaction between purified phosphoric acid and highly pure calcium carbonate.

RECOMMENDED USE/APPLICATIONS

The excellent solubility of the product, an index of high bio-availability, combined with a low content of undesirable elements, makes Fosfitalia dicalcium phosphate an excellent source of available phosphorus and calcium, with an ideal Ca/P ratio for feed requirements of all types of animal.

PACKAGING, HANDLING AND STORAGE

In bulk, in 1000/1500 kg approx. sacks or in 50 kg sacks on pallets for a net weight of 1600 kg. To be stored in a dry place. Not classified as a dangerous good according to transport regulations.

CHEMICAL AND PHYSICAL CHARACTERISTICS

Fine, odour-free and taste-free powder, pastel-white in colour. Soluble in ammonium citrate and principal inorganic acids. Practically insoluble in water.

Density.....0.9 kg/l
Sieve analysis:
> 500 microns5%
500 - 200 microns.....25%
< 200 microns70%

UNDESIRABLE ELEMENTS

EU STANDARDS

FOSFITALIA VALUES

| | | |
|--------------|---------------|---------------|
| Fluorine (F) | max 0,2% | max 0,2% |
| Arsenic (As) | max 10 mg/kg | max 5 mg/kg |
| Cadmium (Cd) | max 10 mg/kg | max 10 mg/kg |
| Lead (Pb) | max 30 mg/kg | max 5 mg/kg |
| Mercury (Hg) | max 0,1 mg/kg | max 0,1 mg/kg |

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The above information should be considered as guidelines only and does not constitute any sort of a guarantee. Fosfitalia reserves the right to make modifications or alterations at any time.

Chemical analysis by:

Valid from 1998-10-01



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