

01. Identification

Chemical substance: CaHPO4
CAS No. 7757-93-9
EINECS No. 231-826-1

Inorganic feed material according to Council Directive 96/25/EC and Commission Directive 98/67/EC, part B, 11. Minerals, 11.06.

02. Specification

Total phosphorus (P) 19%
Relative solubility in 2% citric acid 95%

Total calcium (Ca) 28%
Ca:P ratio 1.5:1
PH 7-8
Moisture (mechanical free water) 2%

03. Description

Crystalline feed grade dicalcium phosphates produced by means of reacting phosphate with nitric acid and subsequently perform an ion exchange process in order to remove calcium. After separation of insoluble residues, including reduction of the fluorine content, the so obtained solution is precipitated with limestone. The dicalcium phosphate is then separated from the residual solution, carefully dried and transported to silo for further handling.

The selected raw materials, of non-animal origin, and the production process ensures an end product with good phosphorus digestibility and a content of undesirable elements well below that stipulated by EU feed legislation.

DCP-TA appears as a grey/white powder. The product is soluble in diluted acids. DCP-TA is tasteless and odorless.

04. Recommended Use/Applications

DCP-TA comes in a precipitated form, which gives the product a high chemical solubility and biological availability. This makes the product suitable as a calcium and phosphorus source recommended for use

in concentrates, compound feed, mineral feed and other feeds for cattle, pigs, poultry and all other animals.

05. Special Advantages

No free acid. Does not interfere with other feed ingredients.

The Ca:P ratio is suitable for standard feeds. Minimum of undesirable elements. Consistent quality.

06. Physical Properties

Appearance powder
Bulk density 1000 kg/m³ (typical)

Undesirable Elements*) EU Standards

Fluorine (F)	max 0.2%
Arsenic (As)	max 10 mg/kg
Cadmium (Cd)	max 10 mg/kg
Lead (Pb)	max 15 mg/kg
Mercury (Hg)	max 0.1 mg/kg

*) Conforms to current EU legislation, Council Directives 2002/32/EC.

07. Quality Check References

Phosphorus:
Extraction: Total P
Directive 77/535/EEC method 3.1.1.

In 2% citric acid
Directive 77/535/EEC method 3.1.3.

Determination:
Directive 77/535/EEC method 3.2

Calcium:
Extraction: total Ca
Directive 77/535/EEC method 3.1.1.
Determination
Directive 71/250/EEC method 3.

08. Classification, packaging and labeling

The product is not classified as hazardous according to EU regulations.

Bulk, 1000 kg net big bags (PP with a PE inner lining) or shrink-wrapped pallet loads of 40 kg net bags (PP). Labelling conforms to Directives 96/25/EC and 98/67/EC.

09. Handling and storage

DCP-TA should be stored indoors in a dry and cool place in properly sealed packaging. When handled and stored according to instructions the shelf life is three years.

10. Transport and transport regulations

Transported on road, on rail and by sea. Not classified as dangerous goods.

Issued by:

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