



Tricalcium Phosphate

General Characteristics:

| | |
|--------------------------|---|
| Formula: | $\text{Ca}_3(\text{PO}_4)_2$; $\text{Ca}_5\text{OH}(\text{PO}_4)_3$; $\text{Ca}_{10}(\text{OH})_2(\text{PO}_4)_6$ |
| Molecular weight: | 310.18; 502.31; 1004.61 |
| Appearance: | White non-qualitative powder |
| Odor: | Odorless, tasteless |
| CAS Number: | [7758-87-4]; [1306-06-5]; [62974-97-4] |
| EINECS No.: | 231-840-8 |
| INS: | 341(iii) |
| Solubility: | Insoluble in ethanol and acetone, slightly soluble in water, soluble in hydrochloric acid and nitric acid. |

Uses:

- Food-nutritional supplement in food、 yeast food.
- Animal oil refining auxiliaries、 antitackiness agent.
- PH regulator、 buffering agent.
- Free-flow agent for dry beverage and other food products.
- A source of calcium and phosphorus in nutritional supplements.

Packing and Storage:

- 10kg/ 20kg/ 25 kg per bag, A multiply paper bag with poly inner liner.
- Store in a well-closed bag at room temperature, protect from light, moisture and pest infestation.
- Shelf life--- two years.

Microbiological Specification:

| | |
|--------------------|------------------|
| Total viable count | 1000CFU/gr.max |
| Yeast&Molds | 25CFU/gr.max |
| E.Coli | Absent in 10 gr. |
| S. aureus | Absent |
| Salmonella | Absent |

GMO-Status:

The product is a non GMO product and is free from any recombinant DNA.

Irradiation/Radioactivity:

Yunbo's Tricalcium phosphate was never subjected to any kind of ionized irradiation



and contains no radioactivity not even in minor amounts.

BSE/TSE:

No raw materials from bovine origin are used nor are any bovine constituents present in the product.

Specifications(USP/E341(i i i)/FCC):

| Test Parameter | Ph.Eur | USP-NF | E341(iii) | FCC |
|--------------------------------|--|------------------------------|------------------------------|--------------------------|
| Appearance | White or almost white powder | White or almost white powder | White or almost white powder | Occurs as a white powder |
| Identification A | Passes test | Passes test | Passes test | Passes test |
| Identification B | Passes test | Passes test | Passes test | Passes test |
| Identification C | It complies with the limits of the assay | | | |
| Assay 【as Ca】 | 35.0%~40.0% | 34.0%~40.0% | | 34.0%-40.0% |
| Assay 【ignited basis】 | | | ≥90.0% | |
| P2O5 | | | 38.5-48.0% | |
| Loss on ignition | ≤8.0% | ≤8.0% | ≤8.0% | ≤10.0% |
| Heavy metal(as Pb) | | ≤0.003% | | |
| Mercury | | | ≤1.0ppm | |
| Arsenic | ≤4.0ppm | ≤3.0ppm | ≤1.0ppm | ≤3.0ppm |
| Lead | | | ≤1.0ppm | ≤2.0ppm |
| Cadmium | | | ≤1.0ppm | |
| Aluminium | | | ≤150.0ppm | |
| Chloride | ≤0.15% | ≤0.14% | | |
| Sulfate | ≤0.5% | ≤0.8% | | |
| Water-soluble substances | | ≤0.5% | | |
| Acid-insoluble substances | ≤0.2% | ≤0.2% | | |
| Carbonate | | To pass the test | | |
| Barium | | To pass the test | | |
| Dibasic salt and calcium oxide | | To pass the test | | |
| Limit of fluoride | ≤75.0ppm | ≤75.0ppm | ≤50.0ppm | ≤75.0ppm |
| Iron | ≤400.0ppm | | | |



常州市银翎生物科技有限公司

Changzhou Silverlink Biotechnology Co., LTD

<http://www.silverlinkbio.com/>

| | | |
|------------------------|---------------|--------------------------------|
| Bulk density(Untapped) | | |
| Light | NMT 300g/L | Not a compendial specification |
| Middle | 300g/L-450g/L | Not a compendial specification |
| Heavy | NLT 450g/L | Not a compendial specification |

| | | |
|--|-------------------|--------------------------------|
| Particle size: Fine powder (D50) | 2.0-5.0 microns | Not a compendial specification |
| | 6.0-9.0 microns | Not a compendial specification |
| | 10.0-12.0 microns | Not a compendial specification |
| Thru 325 mesh | ≥95.0% | Not a compendial specification |
| Granular | | Not a compendial specification |

