**Dicalcium Phosphate Anhydrous**

# General Characteristics:

**Product code:** DCPA5W

**Formula:** CaHPO4

**Appearance:** White powder

**Molecular weight:** 136.06

**Odor:** Odorless

**CAS Number:** [7757-93-9]

**EINECS No.:** 231-826-1

**INS:** 341(ii)

**Solubility：** Almost insoluble in water, insoluble in ethanol, soluble in acid.

# Uses:

* Polishing agent,emulsifier,dough modifier,water retention agent.
* Loose machine,stabilizer,nutritional supplements,creta preparata.
* Fortification of cereals and other processed food, poultry auxiliary feed.

# Packing and Storage:

* 25kg/net paper bag and PE bags sealed inside.
* 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 1,000CFU/gr.max

Yeast&Molds 50CFU/gr.max

E.Coli Absent

Shigella Absent

S. aureus Absent

S.hemolyticus Absent

Salmonella Absent

# GMO-Status:

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

# Irradiation/Radioactivity:

Yunbo’s Dicalcium phosphate anhydrous 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(BP/USP/E341(ⅰⅰ)/FCC):

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Parameter** | **Ph.Eur** | **USP-NF** | **E341(ii)** | **FCC** |
| Appearance | White or almost white crystalline powder or  colourless crystals | White or almost white crystalline powder or  colourless crystals | White or almost white crystalline powder or  colourless crystals | 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【Ca, asCaHPO4】 | 97.5%~102.5% | 98.0%~103.0% | 98.0%-102.0% | 97.0%-105.0% |
| P2O5 |  |  | 50.0-52.5% |  |
| Loss on ignition | 6.6%-8.7% | 6.6%~8.5% | ≤8.5% | 7.0%-8.5% |
| Heavy metal(as Pb) |  | ≤0.003% |  |  |
| Mercury |  |  | ≤1.0ppm |  |
| Arsenic | ≤10.0ppm | ≤3.0ppm | ≤1.0ppm | ≤3.0ppm |
| Lead |  |  | ≤1.0ppm | ≤2.0ppm |
| Cadmium |  |  | ≤1.0ppm |  |
| Aluminium |  |  | ≤100.0ppm |  |
| Chloride | ≤0.25% | ≤0.25% |  |  |
| Sulfate | ≤0.5% | ≤0.5% |  |  |
| Acid-insoluble  substances | ≤0.2% | ≤0.2% |  |  |
| Carbonate | To pass the test | To pass the test |  |  |
| Barium | To pass the test | To pass the test |  |  |
| Limit of fluoride | ≤100.0ppm | ≤50.0ppm | ≤50.0ppm | ≤50.0ppm |
| Iron | ≤400.0ppm |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Product Code** | **Granularity** | **Particle size(mesh/μm）** |
| DCPA5W | Super powder | 4μm |

