Trimagnesium Phosphate

# General Characteristics:

**Formula:** Mg3(PO4)2·5H2O

**Molecular weight:** 262.86

**Appearance:** A white crystalline powder

**Odor:** Odorless

**CAS Number:** 7757-87-1

**EINECS No.:** 231-824-0

**INS:** 334(iii)

It is readily soluble in dilute mineral acids, but is almost insoluble in water.

**Solubility**：

# Uses:

* Nutritional supplement in food
* Anti-caking agent
* PH regulator agent
* Stability agent

# 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 aerobic count 1,000CFU/gr.max

Yeast&Molds 100CFU/gr.max Bile-tolerant Gram-negative bacteria 100CFU/gr.max E.Coli Not detected/g

Staphylococcus Aureus Not detected/g

Salmonella spp Not detected/10g

# GMO-Status:

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

# Irradiation/Radioactivity:

Yunbo’s Magnesium phosphate tribasic 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(FCC/USP):

|  |  |  |
| --- | --- | --- |
| **Test Parameter** | **FCC** | **USP** |
| Identification A | Positive | Positive |
| Identification B | Positive | Positive |
| Assay as Mg3(PO4)2 | 98.0%~101.5% | 98.0%~101.5% |
| Loss on ignition | 20.0%~27.0% | 20.0%~27.0% |
| Acid-insoluble substances | **/** | ≤0.2% |
| Soluble Substances | ≤1.5% | ≤1.5% |
| Carbonate | **/** | Passes the test |
| Fluoride | ≤10.0ppm | **/** |
| Chloride | **/** | ≤0.14% |
| Sulfate | **/** | ≤0.6% |
| Limit of Nitrate | **/** | Negative |
| Barium | **/** | Negative |
| Calcium | **/** | Complies |
| Dibasic salt and magnesium oxide | **/** | Complies |
| Heavy Metals | **/** | ≤30.0ppm |
| Arsenic (As) | ≤3.0ppm | **/** |
| Lead （Pb） | ≤2.0ppm | ≤5.0ppm |

