**SPECIFICATION**

PRODUCT NAME:Calcium Citrate

ORIGIN:CHINA

**Product Description**

**General Characteristics:**

**Formula:**Ca3(C6H5O7)2 . 4H2O

**Molecular weight:**570.5

**Appearance:**Fine white free flowing powder

**Odor:**Odorless

**CAS Number:**                    [ 5785-44-4]

**EINECS No.:**212-391-7

**INS:**333

**Solubility:**In water -Almost insoluble;In alcohol -Insolubl

**Uses:**

* Calcium fortification food、Dietary supplements.
* Not for use in the preparation of inject able solutions.
* buffering agent、Acidity regulator in food、Firming 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 count             500CFU/gr.max

Yeast&Molds                 20CFU/10gr.max

E.Coli                       Absent in 10 gr.

Staphylococcus Aureus         Absent in 10 gr.

Pseudomonas Aeruginosa       Absent in 10 gr.

Salmonella                   Absent in 25 gr.

Coliforms                    10 CFU/gr. Max

Listeria Monocytogenes         Absent in 25 gr.

**GMO-Status:**

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

**Irradiation/Radioactivity:**

Yunbo’s Calcium citrate was never subjected to any kind of ionized irradiation and contains no radioactivity not even in minor amounts.

**Specifications:(FCC/E333(iii)/USP-NF)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Parameter** | **FCC** | **E333(iii)** | **USP-NF** |
| Assay | 97.5%~100.5 % | ≥97.5% | 97.5%~100.5 % |
| Appearance | Fine white powder | Fine white powder | Fine white powder |
| Test for citrate | **/** | Passes test | **/** |
| Test for calcium | **/** | Passes test | **/** |
| Loss on drying  (180℃,4h)% | 10.0%~14.0% | ≤14.0% | 10.0%~13.3% |
| Oxalates | **/** | ≤100ppm | **/** |
| Fluoride | ≤30ppm | ≤30ppm | ≤30ppm |
| Arsenic | **/** | ≤1.0ppm | ≤3.0ppm |
| Lead | ≤2.0ppm | ≤2.0ppm | **/** |
| Mercury | **/** | ≤1.0ppm | **/** |
| Aluminum | **/** | ≤200ppm | **/** |
| Carbonates | **/** | Passes test | **/** |
| Limit of acid-insoluble  substances | **/** | **/** | ≤0.2% |
| Heavy metals | **/** | **/** | ≤0.002% |

