

CALCIUM CARBONATE

❖ General Characteristics:

- **Formula:** CaCO₃
- **Molecular weight:** 100.09
- **Appearance:** Calcium Carbonate occurs as a fine, white or colorless, microcrystalline powder.
- **Odor:** Odorless

Solubility: In water -Almost insoluble;In alcohol -Insoluble

- **CAS Number:** 471-34-1
- **EINECS No.:**207-439-9
- **INS:** 170 (i)

❖ Nutritional Values:

Nutrient		Nutrient Quantity
Protein	-	none
Carbohydrates	-	none
Fat	-	none
Vitamin A	-	none
Vitamin C	-	none
Thiamin	-	none
Riboflavin	-	none
Niacin	-	none
Calcium	-	20.4 – 21.8%
Vitamin D	-	none
Vitamin B-6	-	none



Vitamin B-12	-	none
Heavy metals	-	5 ppm max.
Lead	-	0.3 ppm max.
Fluoride	-	30 ppm max.
Caloric Value	-	163 Kcal/100 gr.
Artificial colors	-	product does not contain artificial color

❖ **Uses:**

- pH control agent; nutrient; dough conditioner;
- firming agent; yeast nutrient、 Creta Preparata
- swelling agent 、 anticaking agent

❖ **Packing and storage:**

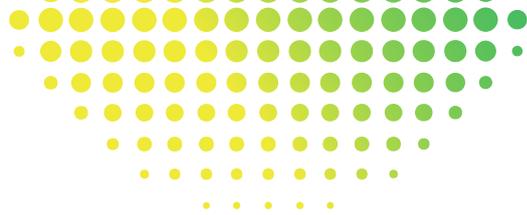
- 25kg net paper bag with PE bag inner.
- Store in dry, well ventilated warehouse and keep away from direct sunlight
- Shelf life--- two years

❖ **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 Tricalcium Citrate 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)**

Test parameter	Specifications
Assay 【CaCO₃】 %	Not less than 98.0% and not more than 100.5% of CaCO ₃ after drying.
Test for citrate	Passes test
Test for calcium	Passes test
Loss on drying	Not more than 2%.
Fluoride	Not more than 0.005%.
Arsenic	Not more than 3 mg/kg.
Lead	Not more than 3 mg/kg
Mercury	Not more than 0.0001%
Carbonates	Passes test
Heavy metals	Not more than 0.002%
Magnesium and Alkali Salts	Not more than 1%.
Cadmium metal	Not more than 0.0002%