

Fossil Coral Powder from Yonaguni Island of Okinawa Japan

DONAN

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What is fossil coral ?

Fossil Coral produced in Yonaguni Island was appeared hundred thousand years ago by the tectonic uplift. It is a thing of stony corals of a very young age had been fossilized. The Fossil Coral which is mined from the limestone layer keeps a state of generation time which has a porous structure with high purity.

Rarity of Fossil Coral "DONAN"

Many Minerals

Special method

High Purity

Non-calcined

Features

Contain many kinds of marine minerals.

Fossil Coral contains more than 70 minerals. The main component is calcium carbonate and also contains 16 kinds of essential mineral to human health in the balance of nature, such as magnesium, sulfur, potassium, iron, iodine, copper, manganese, zinc, selenium, cobalt, chromium, molybdenum etc.

Analysis example of Essential minerals (per100g)

| | | | |
|----------------|--------|-----------------|--------|
| Calcium (Ca) | 38.3g | Potassium (K) | 6.50mg |
| Sulfur (S) | 20.0mg | Phosphorous (P) | 29.0mg |
| Sodium (Na) | 11.3mg | Iron (Fe) | 45.6mg |
| Chlorine (Cl) | 6.0mg | Copper (Co) | 0.15mg |
| Manganese (Mn) | 4.08mg | Zinc (Zn) | 0.26mg |
| Magnesium (Mg) | 0.404g | | |

The importance of mineral intake.

Minerals are required in every fields of life activities, but it can not be made in human body, so it is necessary to intake minerals from foods every day.

The role of minerals.

- ① Human Body components(tooth, bones) ----- Calcium, Phosphorus, Iron, etc.
- ② Regulation of biological function ---- Calcium, Sodium, Potassium, Magnesium, Chlorine, and Phosphorus.
- ③ Support of enzyme ----- Magnesium, Manganese, Copper, Zinc, Iron, Selenium, etc.
- ④ Components of vitamins and hormones --- Vitamin B12 = Cobalt, Thyroid Hormone = Iodine.

Fossil coral of high purity

Fossil Coral mined was in Yonaguni Island was appeared hundred thousand years ago in the sea of clean warm period by the tectonic uplift. Fossil Coral mined was in Yonaguni Island was appeared hundred thousand years ago in the sea of clean warm period by the tectonic uplift. From the thinking of 400 million 6 thousand years ago is born of coral, It means generation age is very young. Because of that usually, the ancient Ryukyu limestone mine or coral sand taken from the sea contain impurities like shell fragments, fish bone and spines of sea urchins. But there are no impurities in Fossil Coral. Fossil Coral is very pure.

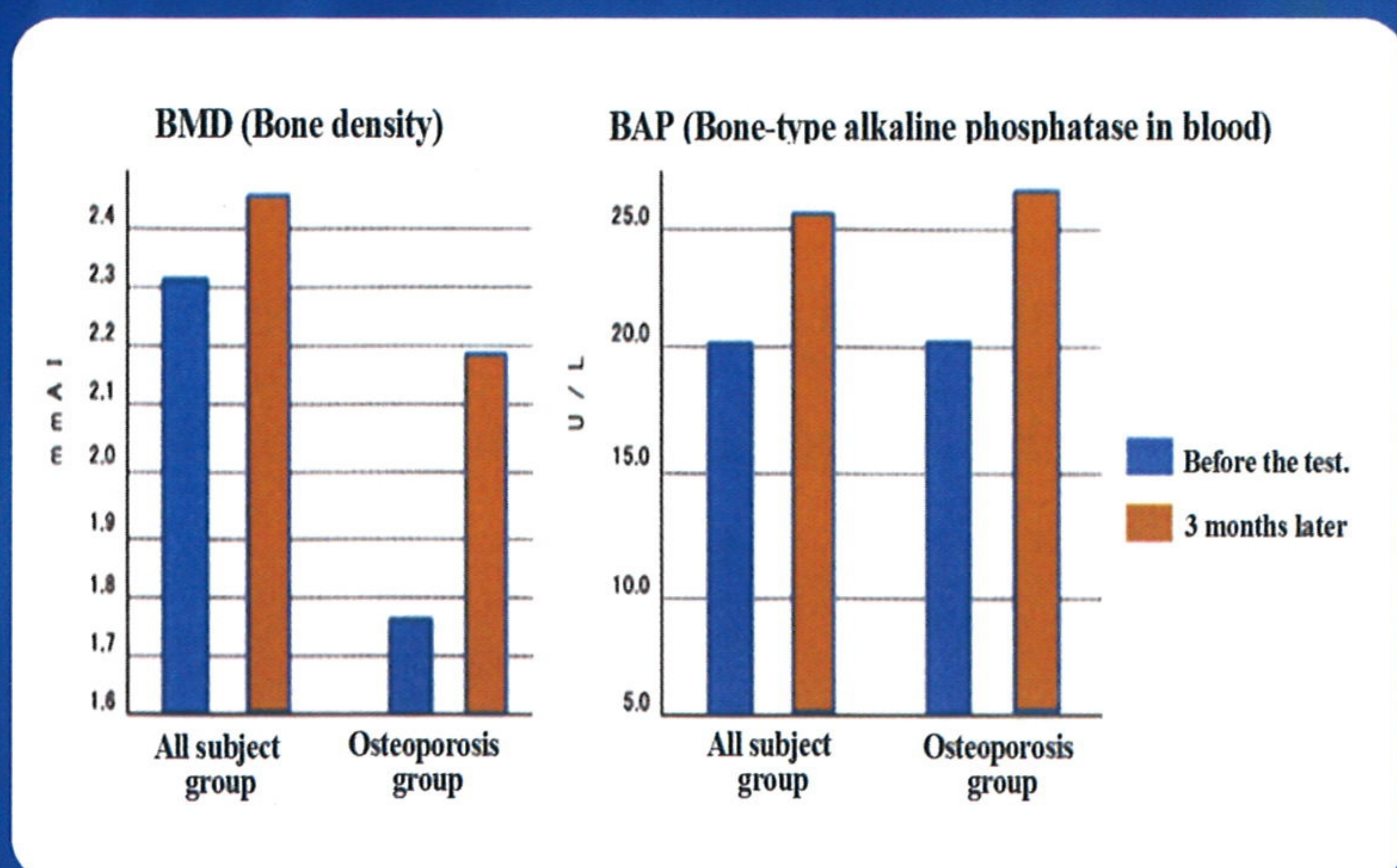
Special manufacturing method

It provides a very fine finish with excellent water-dispersible with an average particle size of 3 μ by a special manufacturing method.

1. It maintains porous structure as it is. That means it is easily digested and absorbed after intake soon.
2. It is tasteless and odorless. Also there is no roughness when it blends in food.

Clinical trial of human bone density enhancement

By ingestion 2g of DONAN daily intake of 784 mg in the amount of calcium, that blood bone alkaline phosphatase and bone density increased significantly 3 months later.



Ingest DONAN powder 1g morning and evening twice, total 2g a day. BMD (Bone density) test was by measuring the second metacarpal bone in the CXD method before test and 3 months later. BAP test was in the EIA method before test and 3 months later. The subject: age is 43 to 76, total 15 people. Subject detail : 11 people are healthy subjects group of more than 80% bone density of healthy young adult (average age 69). Less than 80% more than 70% is 1 person. 3 people is less than 70% bone density in osteoporosis area group (average age 72). Organization: Tougen-do clinic, Toho University School of Medicine anatomy classroom.

Standards

| | |
|-----------------------|---|
| Aspects | Tasteless and odorless, Milky white, Granular |
| Calcium | More than 35% |
| Dry weight | Under 1.0% |
| Arsenic (as As) | Under 2ppm |
| Heavy metals (as Pb) | Under 20ppm |
| Viable bacteria | Under 3,000/g |
| Coliform bacteria | Negative |
| Mold, yeast | Under 100/g |

Use

Calcium nutrition enhancement, Dietary supplement. Common food nutrition enhancement, Improve taste and quality improvement.

Raw materials display example

Coral calcium non -calcined, Coral calcium, Fossil coral calcium

Packaging

10kg Inner packaging: Polyethylene bag, Exterior package: Cardboard box


Average particle size

3um

Acute oral toxicity

LD₅₀ = more than 5,000g/kg (Mouse)

Agent

 CORAL INTERNATIONAL CO., LTD.

1181 Aza Tonoshiro, Ishigaki-City, Okinawa, Japan. Zip:907-0004
 TEL:0980-83-7302 FAX:0980-82-3399
<http://www.coralreg.com/>