

Lithothamnium Calcareum **da Calmar Mineração Minerais Marinhos**



Marine Bio-Mineral Concentrate - Micro Granulated - Raw Material **HUMAN HEALTH**

PRODUCT DESCRIPTION:

Lithothamnium: Are calcareous algae composed 100% by natural biominerals such as calcium carbonate and magnesium carbonate and 76 other oligo elements, present in varying amounts being the main Fe, Mn, B, I, Ni, Cu, Zn, Mo, Se, Sr and P

MAIN APPLICATIONS

They are used for several applications for use in humans:

1. Human / dietary nutrition,

It is used as a mineral nutritional supplement. Source of calcium, magnesium and oligoelements naturally balanced as qualitative and quantitative composition of its elements. And It acts as an antiacid agent.

2. Cosmetics industry,

In the manufacture of dentifrices, skin exfoliants and bath salts. And poultices in the Esthetic or Thalassotherapy centers.

3. Implants in bone surgery,

Like implants in bone surgery. The bioceramics (Hydroxyapatite- $\text{Ca}_{10}(\text{PO}_4)_6(\text{OH})_2$) made by replacing the carbonate of algal material with phosphates, provides almost perfect structural, chemical and biological compatibility with bone tissues.

4. Nutritional Supplement for Food industry.

In the enrichment of foods with natural calcium and other elements in the dairy, cereal, gelatin, beverages, biscuits, institutional foods in the industry.

PRESENTATION:

1. In granulometry of 500 to 1000 meshes For human consumption intended for capsule filling or for direct compression in tableting.

2. In granulometry of 1000 to 3000 meshes. As a supplement for the food industry.

Other specifications according to customer requirements. Note: Product sterile and free of inorganic and organic contaminants. There is also an option under request of customer, to irradiate the product with gamma rays.

STORAGE AND SHELF LIFE

Keep container tightly closed in a cool, dry place protected from sunlight. Duration 24 months from the date of manufacturing indicated on conditions of storage terms.

DELIVERY FOR BENEFIT OF RAW MATERIAL

In sealed 25 kg HDPE bags (1 pallet x 40 bags)

In big bags of 1000Kg

CERTIFICATIONS: SGS, Granulometry, Quantitative-Qualitative, Microbiological.

Product classified at FDA as DSHEA / dietary supplement health and education.

TECHNICAL INFORMATION

Appearance: light beige powder

Analysis: Calcium 30% to 38%

Quali-Quantitative Composition:

Can occur minor seasonal variations in the concentrations of the elements

Calcium 359.1 mg / g

Magnesium 22.69 mg / g

Silicon 155 mcg / g

Iron 3.81 mg / g

Phosphorus 321 mcg / g

Selenium 0.968 mcg / g

Iodine 14.12 mcg / g

Sulfur 5.57 mg / g

Sodium 8.26 mg / g

Potassium 653 mcg / g

Chromium 5.78 mcg / g

Manganese 49.85 mcg / g

Zinc 1.49 mcg / g

Nickel 1.25 mcg / g

Cobalt 0.558 mcg / g

Molybdenum 0.919 mcg / g

Silver 0.126 mcg / g

Copper 1.46 mcg / g

Boron 31.88 mcg / g

Source: Advanced Laboratories
Incorporation - Utah / USA



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