

Product Specifications

WholeCal Powder

(*Lithothamnion calcareum*)

Product Code: 34717100

Product Description: WholeCal is a 100% natural and organic ingredient derived from a calcareous marine macroalgae harvested off the coast of Brazil, for use in human and animal nutrition.

Product Properties

Color	Light beige to grey
Appearance	Powder, free-flowing
Taste	Neutral
Odor	Neutral
Excipient	None
Mesh Size (<i>Air Jet Sieve</i>)	100% < 20 mesh 70% < 200 mesh
Bulk Density	> 0.9 g/ml
pH	> 8
Solubility	Insoluble
Identity	Visual and composition
Plant part used	Whole plant

Analytical Values

		Spec.
Calcium (<i>Expr. as calcium carbonate; ICP-OES</i>)	≥ 32	%
Magnesium (<i>Expr. as magnesium carbonate; ICP AOAC</i>)	≥ 2.3	%

Heavy Metals and Pesticides

		Spec.
Lead (<i>ICP-MS; AOAC 2013.06</i>)	< 1	ppm
Arsenic (<i>ICP-MS; AOAC 2013.06</i>)	< 4	ppm
Cadmium (<i>ICP-MS; AOAC 2013.06</i>)	< 1	ppm
Mercury (<i>ICP-MS; AOAC 2013.06</i>)	< 0.1	ppm
Pesticides	Pesticides are not used during growing and manufacturing of this product.	

Microbiological Values

		Spec.
Total Aerobic Plate Count (<i>CMMEF Chapter 8.72</i>)	< 3,000	CFU/g
Total Coliforms (<i>AOAC 991.14</i>)	< 10	CFU/g
Yeast and Mold (<i>FDA BAM Chapter 18, modified</i>)	< 10	CFU/g
<i>Salmonella</i> (<i>AOAC-RI 121501</i>)	Not Detected	/25g
<i>Listeria</i> spp. (<i>AOAC-RI 061702</i>)	Not Detected	/25g
<i>S.aureus</i> (<i>BAM Chapter 12</i>)	< 10	CFU/g

Country of Origin: USA (manufacturing), Brazil (raw material)

Packaging: Multi-wall paper valve bags (PVSE), 25kg net weight.

Storage: The product must be stored in a cool and dry area away from light.

Best Used By: 36 months after production date under proper storage conditions

Quality Assurance

The information contained herein is, to the best of our knowledge, correct. The data outlined and the statements made are intended only as a source of information. No warranties, expressed or implied, are made. On the basis of this information, it is suggested that you evaluate the product on a laboratory scale prior to use in a finished product.

Customer Approval

I acknowledge and agree to the above specifications. Any parameters outside of these would not fall within the scope of the product specifications. Please return this specification sheet signed for approval otherwise we consider it accepted.

Name (print):

Signature:

Title:

Date: