

Technical Data Sheet



Lalmin[®] Se2000



Health Ingredients

Lalmin[®] Se2000 is an inactivated whole cell yeast (*Saccharomyces cerevisiae*) product containing elevated levels of the essential trace element **selenium in its natural food form, L(+) selenomethionine**. It is produced by growing yeast in the presence of measured amounts of selenium. Live yeast cells absorb selenium and biochemically transform it into L(+) selenomethionine and other seleno-proteins. Selenomethionine is naturally found in edible plant protein and is highly bioavailable. It is the most suitable form of selenium for nutritional supplementation.

Description

Product Codes	2330 or 32330
Appearance	Tan powder
Particle size	99% through a 60 mesh screen
Taste & Odor	Characteristic
Moisture	Less than 7%
Ash	6-8%
Density	48 – 68 g/100ml
Active Ingredient	2000 - 2400 µg Selenium /g Reference Atomic Absorption spectrophotometry Typical selenomethionine: 2800-3500ppm Reference Amino Acid Analysis by HPLC

Microbiological analysis

			Reference
Total Plate Count	/g	< 3000	MFHPB18
Yeast and Molds	/g	< 300	MFHPB22
Coliforms	/g	< 10	MFHPB19
<i>P. aeruginosa</i>	/10g	Negative	USP31
<i>E. coli</i>	/10g	Negative	USP31
<i>S. aureus</i> (coag+)	/10g	Negative	USP31
<i>Salmonella</i>	/125g	Negative	MFHPB20

Heavy Metals

	Reference
Arsenic < 2 ppm	EPA3050B (ICP-MS)
Cadmium < 1 ppm	EPA3050B (ICP-MS)
Mercury < 0,1 ppm	EPA3050B (ICP-MS)
Lead < 1 ppm	EPA3050B (ICP-MS)

Packaging & Storage

32330-27-27 and 2330-26 25 kg round drums.
Cool and dry conditions recommended.
Shelf life : 3 years in its original sealed package

TYPICAL NUTRITIONAL DATA

MACRO NUTRIENT CONTENT

Protein	50	%
Moisture	4.0	%
Fat	9.0	%
Ash	6.7	%
Carbohydrates (by difference)	30.3	%

Amino Acids (g/100 g protein)

Alanine	6.8	Lysine	8.4
Arginine	4.8	Methionine	1.6
Aspartic Acid	11.0	Phenylalanine	4.2
Glutamic Acid	18.0	Proline	3.9
Glycine	4.6	Serine	5.3
Histidine	2.3	Threonine	5.5
Isoleucine	4.4	Tyrosine	3.6
Leucine	7.2	Valine	5.7
Tryptophan	1.2	Cystine	1.0

Vitamins

Thiamine (B ₁)	1.76 mg/100g	Pyridoxine (B ₆)	1.31 mg/100g
Riboflavin (B ₂)	5.51 mg/100g	Folic acid	2.79 mg/100g
Niacin (PP)	50.0 mg/100g	Biotin	49.5 mcg/100g
Pantothenic acid	4.97 mg/100g	Vitamin A and C	*

* Levels insignificant for nutritional labeling purposes

Minerals

Phosphorous	(P)	945 mg/100g
Potassium	(K)	1995 mg/100g
Calcium	(Ca)	111 mg/100g
Magnesium	(Mg)	141 mg/100g
Sodium	(Na)	95.8 mg/100g
Zinc	(Zn)	17.5 mg/100g
Iron	(Fe)	9.7 mg/100g
Manganese	(Mn)	1.3 mg/100g
Copper	(Cu)	1.0 mg/100g
Selenium	(Se)	220 mg/100g

The information presented is believed to be accurate but should not be construed as express or implied representations or warranties. Users should conduct their own evaluation to determine the suitability of any product for a particular purpose. Last version June 2011

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