

<b>Nutreo</b>	<b>DATA SHEET 25% ZINC BISGLYCINATE GF x 1 kg</b>		
	Elaborated: DID Engineer Date: JANUARY/2024	Approved: Technical Leader Date: FEBRUARY/2024	SAP Code: 408618 Edition: 01

**Basic product information:**

**Description:**

Source of Zinc bound to a food grade amino acid, at a concentration of 25% for the fortification of human foods and supplements.

**Molecular weight:** Does not apply.

**CAS number:** Does not apply.

**Suggested use:**

Use as a source of zinc for the fortification of human food and supplements. It is recommended to be used under the formulator's criteria, according to the mineral requirement.

**Ingredients:**

Zinc bisglycinate.

**Method of manufacture:**

The product is manufactured through a process of dosing, chemical synthesis, drying, packaging and conditioning.

**Allergen Statement:**

Manufactured in a facility that processes products containing soy and peanut derivatives.

Packaged in a facility that uses egg, coconut, milk, soy, tuna.

**Product characteristics:**

<b>Sensory Powder</b>	
<b>Color</b>	White to beige.
<b>Appearance</b>	Fine powder with fluid texture
<b>Physicochemical</b>	
<b>Humidity (%)</b>	Max. 5%
<b>Zinc (DB) (%)</b>	Min. 25%
<b>Solubility (1% solution)</b>	≥ 97%
<b>Chemical contaminants/Heavy metals</b>	
<b>Arsenic</b>	≤ 2.0 ppm
<b>Lead</b>	≤ 10.0 ppm
<b>Cadmium</b>	≤ 2.0 ppm
<b>Mercury</b>	≤ 0.1 ppm
<b>Microbiological</b>	
<b>Mesophile microorganisms count</b>	≤ 100 CFU/g
<b>Total coliforms</b>	≤ 10 CFU/g
<b><i>E. Coli</i></b>	Absent


<b><i>Salmonella SPP /25 g</i></b>	Absent
<b><i>Clostridium sulfite-reducing spores</i></b>	≤ 10 CFU/g
<b>Molds and yeasts</b>	≤ 100 CFU/g
<b>Coagulase-positive Staphylococcus aureus</b>	≤ 10 CFU/g
<b><i>Bacillus cereus</i></b>	≤ 100 CFU/g

**Theoretical Shelf life:**

Stable for 18 months if it is kept closed and stored as indicated on the storage conditions.

**General Information:**

<b>Storage conditions</b>	Store the product on its original package tightly, closed on a fresh, dry space, away from direct light, and protected from moisture. Relative humidity: Max. 75% Temperature: From 10° C to 30° C
<b>Package material/Presentation</b>	Packet in laminated structure: BOPP/ Polyamide/PEBD Net Wt. 35,33 oz (1 kg)
<b>Packaging specifications</b>	The ingredient is packed in corrugated cardboard boxes, packaging 1 unit of 1 kg per box.
<b>Transportation conditions</b>	This product should be transported in clean vehicles, it should be placed on pallets, never on the floor of the vehicle, it should not be transported with toxic substances, chemicals or animals.
<b>Incorrect use and precautions</b>	Avoid direct contact for long periods. Keep out of reach of children and animals. Dispose of in accordance with the legislation of each country. The product is not hazardous to public health, animal health and the environment if the recommendations for use are followed.

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**Legislación aplicable:**

- Resolution 2674 of 2013
- Resolution 5109 of 2005
- Resolution 4143 of 2012
- Resolution 32209 of 2020
- Resolution 683 of 2012
- Decree 2106 of 1983
- Codex Stan 192-1995
- Resolution 4506 of 2013
- Codex Alimentarius
- Codex Stan 192-1995
- NTC ISO 9001 current edition

**Marketed by C.I. Nutreo S.A.S.**