



TECHNICAL DATA SHEET
L-GLUTATHIONE capsules
Dry Liposomal Dietary Supplement

Product	Liposomal Glutathione capsules
Product nr.	3830057521800
Date	September 2024
Version	3

PHYSICAL SPECIFICATIONS:

Appearance	Slight cream powder in white capsules
Capsule	White (00) (HPMC)
Filling weight	712 mg (641 – 783 mg)
Total weight	835 mg (752 – 919 mg)

INGREDIENTS PER CAPSULE (All material is Food Grade)

Ingredient	Function	E-number	Amount (Quantification)
Gum Arabic	Stabiliser	E414	NMT 40%
Reduced L-Glutathione	Active ingredient	-	246 mg - 431 mg
Microcrystalline Cellulose	Bulking agent	E460(i)	NMT 9%
Hydroxypropylmethylcellulose	Capsule shell	E464	NMT 15%
Sodium Hydroxide	Acidity regulator	E524	NMT 4.2%
Lecithin (Sunflower, GMO-Free)	Emulsifier	E322	NMT 8%
Magnesium stearate	Anti-caking agent	E572	NMT 1%
Zinc oxide (elemental Zinc)	Active ingredient	-	3 mg – 5 mg (2.4 mg – 4.2 mg Zinc)
Citric acid	Acidity regulator	E330	NMT 0.003%
Alpha-tocopherol	Antioxidant	E307	NMT 0.001%

*Individual ingredient is subject to a maximum deviation of 15 %w/w.

CONTAMINATIONS: Heavy metals

Parameter	Specification
Cadmium (Cd)	Less than 1.0 mg/kg / 1.0 ppm
Arsenic (As)	Less than 1.0 mg/kg / 1.0 ppm
Mercury (Hg)	Less than 0.1 mg/kg / 0.1 ppm
Lead (Pb)	Less than 3.0 mg/kg / 3.0 ppm

Data in compliance with (or lower than) Commission Regulation (EC) nr. 2023/915 and its amendments Testing method: Eur.PH. Ed.9; par.2.4.8



CONTAMINATIONS: Microbiology (CFU/g)

Parameter	Specification
Yeast	<100 CFU/g
Moulds	<100 CFU/g
Escherichia coli	Absent in 1g
Salmonella	Absent in 25g

Data in compliance with Commission Regulation (EC) 2073/2005 and its amendments Testing method: Ph. Eur.2.6.12. and Ph. Eur.2.6.13.

Liposomal technology:

When mixed with water, phospholipids form microscopic tiny vesicles with a central void encapsulating water and active ingredients dissolved in the water. Whilst hydrophilic molecules can be held within the encapsulated water, hydrophobic chemicals can be dissolved into the membrane itself and in this way liposomes have the ability to carry both hydrophobic and hydrophilic molecules.

The attraction of using liposomes to deliver nutrients, supplements and drugs into the body is that they are easily absorbed by the gastro intestinal tract and as a consequence the additional encapsulated molecules are absorbed at the same time.

Advised daily dosage

1 capsule per day.

Active Ingredient per Daily dosage (1 capsule)	Amount	%RI*
Reduced L-Glutathione	307.5 mg	†
Elemental Zinc	3 mg	30%

*%RI: Reference Intake as derived from values that have been set in Annex XIII of Regulation (EU) 1169/2011.

†: no RI value has been established.

Usage instructions:

Take 1 capsule daily with a glass of water or juice. Do not exceed the recommended dosage unless otherwise advised by a healthcare professional.

Storage instructions:

Keep tightly closed in a cool (max. 30°C) and dry place (< 60% RH).

Transportation instructions:

Transportation of food is according to the guidelines of NTA 8059:2016. The transportation company has to take into consideration all hygiene requirements of NTA 8059:2016. Taking into account the Transportation and Shipping or Quality Agreement (if applicable). This also means that the temperature during transportation is not below 4°C and not above ambient temperature during transportation (max.20°C for liquids) in order not to influence stability, unless specified otherwise.

Shelf life:

36 months.

BSE/TSE Statement:

The product does not contain and is not derived from Specified Risk Material as defined in Annex V of Regulation (EC) No 999/2001 and is conform to the EU Regulation (EC) No. 999/2001, as amended, relating to the risk of Transmission of Spongiform Encephalopathy (TSE). This is based on our suppliers' statements. We test our products/sourced raw materials for BSE/TSE on a surveillance basis.

GMO Statement:

Following EU regulations, as amended, published in the Official Journal of the European Union:

- Regulation (EC) No.1829/2003 of the European Parliament and the Council of 22nd September 2003 on genetically modified food and feed.



- Regulation (EC) No.1830/2003 of the European Parliament and the Council of 22nd September 2003 concerning traceability and labelling on genetically modified organisms and traceability of food and feed products produced from genetically modified organisms and amending Directive 2001/18/EC.

This product complies with the above-mentioned regulations based on our suppliers' statements and our manufacturing process. Thus there is no obligation of GMO labelling as defined by these regulations. We test our products for GMO on a surveillance basis.

Non irradiation / Non ionized statement:

According to Directives 1999/2/EC and 1999/3/EC, as amended, we confirm the product is not made from irradiated/ionized raw materials or was irradiated/ionized. We test our products for irradiated/ionized foods on a surveillance basis.

Pesticides statement:

To our actual knowledge of production process, raw materials and equipment used, the potential pesticide residues in the above mentioned product complies with the European Regulation (EC) No. 396/2005, as amended, on maximum residue levels of pesticides. We test our products for pesticide residues on a surveillance basis.

Residual solvent statement:

The product meets with Directive 2009/32/EC of the European Parliament and of the Council, as amended, on the approximation of the laws of the Member States on extraction solvents used in the production of foodstuffs and food ingredients. We test our products for solvent residues on a surveillance basis.

Contaminants:

The product is in accordance and meets with the criteria applicable to food supplements and our raw materials set forth in the Commission Regulation (EC) No.2023/915, as amended, setting maximum levels for certain contaminants in foodstuffs. We test our products for contaminants relevant for our product on a regular basis (see: Table Contaminations: Heavy metals), and other contaminants on a surveillance basis.

Nanomaterials Statement:

According to the definition of 'nanomaterials' of the European Regulation (EU) No. 1169/2011, as amended, on the provision of food information to consumers, we hereby attest that no nanomaterials are used in the formulation nor in the packaging materials of our products. We test our products for nanomaterials on a surveillance basis.

Certifications

This product is manufactured in a FSSC 22000 certified environment*.

* Kiwa Nederland B.V.

Allergens Statement:

In accordance with the Annex II of Regulation (EU) No. 1169/2011, as amended, on the provision of food information to consumers. We test our products for allergenic substances on a regular basis. We confirm the following information:

Allergenic substances	Present	Not present	Possible traces
Cereals containing gluten		X	
Crustaceans (shellfish)		X	
Eggs		X	
Fish		X	
Peanuts		X	
Soybeans		X	
Milk		X	
Nuts		X	
Celery		X	
Mustard		X	
Sesame seeds		X	



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Sulphur dioxide and sulfites		X	
Lupin		X	
Molluscs		X	

GM

Tajca Pavcek

