



## TECHNICAL DATA SHEET

<b>Trade Name:</b>	Vitasome GL		
<b>INCI:</b>	L-Glutathione		
<b>Cas. No:</b>	70-18-8		
<b>EINECS:</b>	200-725-4	Article No:	224454

ITEM	STANDARD
Appearance	White or almost white crystalline powder
Identification	Conforms to the Reference Spectrum
Optical rotation	-15.5° - 17.5°
State of solution	Freely soluble in water, very slightly soluble in ethanol and in methylene chloride
Chlorides	<200ppm
Sulfates	<300ppm
Ammonium	<200ppm
Iron	<10ppm
Arsenic	<2ppm
Heavy metals	<10ppm
Cadmium (Cd)	<1ppm
Lead (Pb)	<3ppm
Mercury (Hg)	<1ppm
Residue on ignition	<0.1%
Loss on drying	<0.5%



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Bulk density		>0.2 g/ml
Tapped density		>0.4 g/ml
Related compounds	Total	Max. 2.0%
	GSSG	Max. 1.5%
Assay		98.0% - 101.0%

Microbiological value	
Total plate	≤1000cfu/g
Yeast and Mold	≤100cfu/g
Salmonella	Negative/10g

### Product Description:

L-Glutathione is a naturally occurring tripeptide composed of three amino acids: glutamine, cysteine, and glycine. It is one of the body's most important **endogenous antioxidants**, playing a crucial role in protecting cells from oxidative stress and maintaining the redox balance. L-Glutathione exists in both **reduced (GSH)** and **oxidized (GSSG)** forms, with the reduced form being biologically active.

In addition to its antioxidant activity, L-Glutathione is involved in **detoxification, immune system support, and regeneration of other antioxidants** such as vitamins C and E. It also helps maintain healthy mitochondrial function and supports various enzymatic processes in the body.

### Application:

It is used widely in cosmetic products as Skin-brightening, anti-aging and protective

### Storage:

Store the container tightly closed in a dry, cool and well-ventilated place.

### Dosage:

1.0% -2.0%

### Shelf time:

2 years