

TECHNICAL DATA SHEET

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|-------------|---------------|-------------|--------|
| Trade Name: | Vitasome GL | | |
| INCI: | L-Glutathione | | |
| Cas. No: | 70-18-8 | | |
| EINECS: | 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