

L-Glutathione Reduced

Reduced glutathione, also called GSH, is a tripeptide ingredient containing glutamic acid, cysteine and glycine.

CAS No. 70-18-8	EC / List No. 200-725-4	Transport Non-dangerous goods
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Product Information

Reduced glutathione, also called GSH, is a tripeptide ingredient containing glutamic acid, cysteine and glycine.

Specifications

Parameter	Specification
Assay	98%-101%
Appearance	White crystalline powder
Identification	Similar with the reference spectrum
Loss on drying	≤ 0.5%
Relative substances	Total: 2.0% max
Optical rotation	-15.5 - -17.5

Selected supply specification; the agreed purchase specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	C10H17N3O6S
Molecular weight	307.32 g/mol
HS reference	293090

Applications

Personal care formulations: L-Glutathione Reduced can be evaluated in suitable skin care and other personal care formulations. Solubility, mixing conditions and the selected assay or molecular-weight grade guide its incorporation into the base formulation.

Ingredient blend development: Suitable multi-ingredient formulations can incorporate the selected material as part of their raw-material blend. Compare compatibility, color and powder handling in the intended process before moving to commercial purchasing.

Sample evaluation: A sample of the selected grade allows technical teams to evaluate dispersibility and formulation compatibility. Keep the sample grade and analytical specification in the enquiry to support consistent follow-on sourcing.

Packaging / Storage

Item	Information
Packing	25 kg/bag
Storage	Store tightly sealed at 2–8°C in a dry, ventilated place. Protect from moisture, excess heat and strong oxidizing agents.
Shelf life	Follow the batch certificate retest or expiry date and the stated storage conditions.
Handling	Use clean dry tools, suitable gloves and safety goggles. Provide dust extraction during powder transfer and use an appropriate particulate respirator when extraction is insufficient. Avoid ingestion and environmental release.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Shanghai office	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / Email	+86-21-54265599 / sales@zxchem.com.cn
Website	www.zxchem.com