

TECHNICAL DATA SHEET

Effective date: 11.2024

GHK COPPER TRIPEPTIDE-1 Concentrate solution

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Glycerin, Aqua, Copper Tripeptide-1
Description	Peptide solution, content 50000 ppm
Raw material category	Active ingredient for cosmetic formulations

TECHNICAL DATA

Composition

Substance	CAS no.	%
Glycerin	56-81-5	> 70
Water (Aqua)	7732-18-5	15 – 25
Copper Tripeptide-1	89030-95-5	4.0 – 6.0

Physical and chemical parameters

Appearance	Liquid of medium viscosity
Color	Blue
Odor	Faint characteristic
Relative density at 20°C	1.050 – 1.250
pH	5.0-7.0
Solubility	Dispersible in emulsions, soluble in aqueous media

Specifications per dry matter

Cu ²⁺ Content	10.0-16.0%
GHK Content	64.0-80.0%
GHK: Cu ratio(mol/mol)	1.00-1.10
Amino acid analysis Gly	0.9-1.1
Amino acid analysis His	0.9-1.1

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Amino acid analysis Lys	0.9-1.1
M.S. (GHK)	340.38±1.0

Biological parameters

Total aerobic microbial count	< 1000 cfu/ g
Total yeast and mould count	< 100 cfu/g
Escherichia coli	Absent/1g
Pseudomonas aeruginosa	Absent/1g
Staphylococcus aureus	Absent/1g
Candida albicans	Absent/1g

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in a closed container in a cool, dry place protected from humidity.
Shelf Life	24 months in the recommended conditions.

LEGISLATION, STATEMENTS

Regulatory Status	Product complies with Regulation (EU) No. 1223/2009 in all the defined requirements.
BSE/TSE	Produced in the absence of any animal derived material of any type. No contamination with BSE/ TSE risk materials is to be expected.
GMO status	Product does not contain GMO-DNA
Nanomaterial statement	Not expected to contain any nanomaterial meaning an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nm, as defined in Regulation (EC) No 1223/2009 on cosmetic products.
Volatile Organic Compounds (VOC)	Does not contain any ingredient that, according to the information provided by our suppliers, falls under the definition of Volatile Organic Compound (VOC) as described in Directive 2004/42/CE

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BSE/TSE	There is no risk of contamination with Bovine Spongiform Encephalopathy (BSE) through the use of this product.
Ethanol	Does not contain
Gluten- Status	Does not contain gluten
Animal testing	Product has not been the subject of animal testing for cosmetic purposes according to EC Regulation 1223/2009
Information for Vegan Assessment	Vegan and Vegetarian suitable. Manufacture does not involve the use of any animal product, by-product or ingredient. This product meets Vegan requirements, but it is not certified.
Phthalates	The product does not contain, as an ingredient, any phthalate.
CMR-Status	Product does not contain as an ingredient any substance classified as CMR (Carcinogenicity, Germ Cell Mutagenicity and Reproductive Toxicity) from classes 1A, 1B or 2 in accordance with CLP Regulation 1272/2008 and its subsequent amendments.
Allergens	Product does not contain any of the allergenic substances or compounds listed in Regulation (EC) No. 1223/2009 Annex III amended by EU Regulation 1545/2023

DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer respectively of our suppliers quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from our warehouse. We recommend you perform your own quality and or identification checks on receipt.