

TECHNICAL DATA SHEET

Effective date: 10.2023
Rev.0

Gentiana Myralys

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Aqua, Propanediol, Gentiana Lutea Root Extract
Description	An organic COSMOS-certified at manufacturer, natural active ingredient, highly purified in gentiopicroside, sourced from organic wild yellow gentian roots to rejuvenate the upper and lower eye contours.
Manufacturing process	

TECHNICAL DATA

Physical parameters

Appearance	Liquid
Color	Amber yellow to brown
Odor	Slight, characteristic

Chemical parameters

Solubility 10% in water	Soluble
pH (direct)	3.2-5.2
Dry matter	2.5-3.5%
Refraction index	1.370-1.420
Specific gravity	1.010-1.060

Quantifications

Gentiopicroside (HPLC)	≥ 30.0 %/MS - %/DM
Residual solvent (ethanol, GC)	≤ 5 000 ppm

Biological parameters

Enumeration of mesophilic aerobic bacteria	< 100 ufc/mL
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Enumeration of yeasts and moulds	< 100 ufc/mL
Detection of enterobacteria	absence

Composition breakdown

Water	50.0 %
Propanediol	47.0 %
Gentiana Lutea Root Extract	3.0 %

Toxicological tests

Tests	Method	Tested concentration	Results
Skin irritation	Patch Test	3 %	Very good skin compatibility, Not irritant
Eye irritation	Het cam	3 %	Moderately irritant
Eye irritation	Het cam	2 % Integrated into an 'Eye Care' cream formula	Slightly irritant
Sensitization	HRIPT	3 %	Very good skin compatibility, Not sensitizing effect
Mutagenicity test	Ames test	/	Not mutagenic
Phototoxicity	3T3 cells	/	Not phototoxic

ISO 16128

Natural content	53%
Natural origin content	100%

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	It is recommended to store the product in its original closed packaging, protected from light and heat sources. Storage +15/+25°C
Shelf Life	Min 24 months, under good storage conditions.

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LEGISLATION, STATEMENTS

CAS no.	7732-18-5 / 504-63-2 / 97676-22-7
EC no.	231-791-2 / 207-997-3 / --
Certification	Cosmos Organic at manufacturer
Nanomaterials	No intentionally added ingredient meets the definition of a nanomaterial. This product is not considered as a nanomaterial, and doesn't contain nanoparticles.
Animal testing	We confirm that this material and its component parts have not been the subject of animal testing or retesting for cosmetic purposes.
BSE / TSE status	Animal origin is not involved, BSE / TSE is not applicable to this product.
Genetically modified organisms (GMO)	No Genetically modified organisms
CMR substances	The ingredients in this product are not classified as CMR according to Regulation (EC) 1223/2009 Article 15. Legislative status of this product is not concerned by CMRs.
Suitability for vegans	Considering the non-animal testing status, and the absence of any animal-derived material, the product is considered suitable for vegans.
Substances of Very High Concern (SVHC)	No ingredients are intentionally present appearing (at time of writing) on Annex XIV or on the Candidate List of Substances of Very High Concern for Authorisation in the framework of REACH (Regulation (EC) No 1907/2006). Furthermore, considering the nature of this product and the manufacturing process, the presence of an impurity appearing on the aforementioned Annex XIV or Candidate List is not expected in a concentration of 0.1 % or greater.

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 or our supplier 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 the works. We recommend you perform your own quality and or identification checks on receipt.