

TECHNICAL DATA SHEET

Effective date: 02.2023

ASTAXANTHIN

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Astaxanthin
Description	Raw material for cosmetic formulations, Active ingredient titrated in astaxanthin $\geq 5.0\%$. Is a xanthophyll and non-provitamin A carotenoid, with potential antioxidant, anti-inflammatory and antineoplastic activities as well as coloring properties.
Typical Applications	Lotions, gels, creams, serums, sun care & after sun products, makeup, lip products
Origin	Extracted from algae Haematococcus pluvialis

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Physical parameters

Appearance	Red viscous oil
Molecular Formula	C ₄₀ H ₅₂ O ₄
Molecular Weight	596.84 \pm 1 g/mol
Solubility (25°C)*	DMSO - 2.5 mg/mL (4.18 mM)
Synonyms	β -Carotene-4,4'-dione, Trans-Astaxanthin
Melting point	182 °C

Biological parameters

Aerobic Bacterial Count	< 100 cfu/g
Yeasts and Molds	< 10 cfu/g
Enterobacteries	absence

TRANSPORT, STORAGE and SHELF LIFE

Shelf Life	Should be stored in sealed containers at a cool, dry and light protected place. Brief exposure up to 35°C for max. 2 weeks. In closed original containers the shelf life is min 24 months.
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LEGISLATION

Certification	-
CMR	This product is free from substances classified as carcinogenic, mutagenic or toxic for reproduction (CMR) of category 1A, 1B or 2 under Part 3 of Annex VI to Regulation (EC) No 1272/2008
Nanomaterials	This product is not considered as a nanomaterial, and doesn't contain nanoparticles as defined by the European commission and as described in EU n°1223/2009 and 2012-232 (ANSES).
Animal testing	This product has not been tested on animals.
GMO	During the production no GMOs and derivatives from GMOs are used. All reasonable measures have been taken to avoid cross-contamination with GMOs or derivatives from GMOs.
CAS	472-61-7
EINECS / EC No.	207-451-4

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.