



AGRAR Srl - VIA MONTE DEL MARMO, 52 - 00166 ROME (Italy)

RAW MATERIALS for COSMETICS, NUTRACEUTICALS & PHARMACEUTICALS

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Messrs.

CELLCO CHEMICALS S.A.

Terma Odou Makrygianni

19600 MANDRA - ATTICA (Greece)(EL)

Roma, 21/02/2023

Batch 20/3/23

Net weight KG 765.

ASSAY CERTIFICATE & specifications

CARROT OIL for food & cosmetic use

(oil infusion of Daucus carota in Corn Oil, titrated in Carotene)

INCI name	DAUCUS CAROTA SATIVA ROOT EXTRACT (and) ZEA MAYS OIL	
CTFA name	Carrot Oil	
CAS / EINECS	84929-61-3 / 284-545-1	
Natural Index	99.97 % natural (ISO 16128)	
Description	clear liquid of orange-red color, obtained by infusion in Corn Oil	
Used Parts	roots	
Country of Origin	Italy	
Identification & Purity	conforms	
Solubility	insoluble in water; soluble in oils & fats; partially soluble in alcohol	
	Values	Specifications
Carotene Content	0.17 %	0.16 – 0.22 %
Antioxidants (totally = 0.03 %):		
- Tocopherol (Vit. E)	conforms	0.01 %
- BHA	conforms	0.01 %
- BHT	conforms	0.01 %
Iodine Value (g I ₂ /100 g)	conforms	115 – 125
Saponification Value (mg KOH/g)	conforms	180 – 190
Peroxides (meq O ₂ /kg)	conforms	<= 10.0 (when drumming)
Refractive Index at 25 ^C	conforms	1.465 – 1.475
Specific Weight at 25 ^C (density)	0.921	0.920 – 0.930 g/ml
Nutritional Composition	conforms	99.5 % fats, 0 % carbohydrates & proteins
Nutritional Values (for 100 grams)	conforms	890 Kcal = 3700 Kjoule
Foreign Oils	conforms	absent
Heavy Metals	conforms	<= 10 ppm
Lead	conforms	<= 3 ppm
Cadmium	conforms	<= 1 ppm
Arsenic	conforms	<= 1 ppm
Mercury	conforms	<= 0.1 ppm

Residual Solvents	absent	not used
Pesticides	conforms	conforms to Ph.Eur. & Dir. 839/2008/CE
Benzopyrens & Chrysene	conforms	<= 10 ppb
Benzo(a)pyrene	conforms	<= 1 ppb
Dioxin & Furans	conforms	<= 2 pg/g (picograms/g)
PCB's e Dioxin-like	conforms	<= 2 pg/g (picograms/g)
PHA (Polyc. Aromatic Hydrocarbons)	conforms	conforms to Dir. 1881/2006/CE & 1933/2015/CE
Pyrrolizidine Alkaloids	conforms	<= 1 ppb
Esterified Glycidol	conforms	<= 1000 ppb
Total Bacterial Count	conforms	<= 500 cfu/g (does not contain water)
Molds & Yeasts	conforms	<= 100 cfu/g (does not contain water)
Pathogens	absent	absent
Radioattività	conforms	< 600 Bq/kg
Aflatoxins B1	conforms	< 2 ppb (type B1)
Total Aflatoxins	conforms	< 4 ppb (type B1, B2, G1, G2)
Shelf Life	3 years from production date; keep well closed, protected from light, at fresh temperature and with very little air inside the containers	
General features	<p>Carrot Oil (oil macerate) is obtained placing Carrot roots into the carrier oil (Corn Oil); this oil is rich in Carotenoids and Carotene (pro-Vitamin A), i.e. of the typical natural antioxidants useful both for internal and for external use; in cosmetics the main use is to brighten the skin and to prepare it for the exposition to sun rays, giving a longer lasting tan. In general, Carotenoids are vegetal pigments with a yellow-orange or red color: they are contained in the chromoplasts (typical organelles of the vegetal cells: they synthesize and accumulate the pigments such as carotenoids, xanthophylls & anthocyanins); Carotenoids are not essential for our body, but they carry out important metabolic functions; some of the Carotenoids do contain a pro-Vitamin, as for example the Apocarotenal, but all of them are important as precursors of Vitamin A: this is one of the most effective antioxidant agents against aging and photo-aging, both for external and for internal use: for internal use they help the immune system, the eye functionality, the bone health, the lungs health, etc.; for external use they protect from the oxidative stress, they promote Collagen & Melanin production, both responsible for a good skin health</p>	
Declarations	<p>FOOD grade product; REACH conforming (not applicable to natural products not obtained by synthesis); Suitable for KOSHER & HALAL (but without their certifications); Suitable for VEGANS & VEGETARIANS (but without certifications); BSE/TSE not applicable = NON ANIMAL ORIGIN; Does NOT contain ALCOHOL; Does NOT contain ALLERGENS for cosmetics or foods; NOT ANIMAL tested (Dir. 1223/2009/CE); Does NOT contain CMR substances; Does NOT contain COLORS, PRESERVATIVES, ANTIOXIDANTS or CHELATING AGENTS; Does NOT contain CONTAMINANTS (Dir. 1881/2006/CE & Dir. 629/2008/CE); Does NOT contain COSMETIC forbidden substances; Does NOT contain DIOXANE; Does NOT contain DOPING agents; Does NOT contain ENDOCRIN DISRUPTORS; Does NOT contain ETHYLENE OXIDE; Does NOT contain FORMALDEHYDE; Does NOT contain GLUTEN; Does NOT contain GMO materials;</p>	

NOT IRRADIATED (gamma rays);
 Does NOT contain LACTOSE;
 Does NOT contain LATEX;
 Does NOT contain MELAMINE;
 Does NOT contain MICROBEADS or MICROPLASTICS;
 Does NOT contain NANOMATERIALS;
 Does NOT contain NITRATES, NITRITES or NITROSAMINES;
 Does NOT contain PALM OIL;
 Does NOT contain PARABENS;
 Does NOT contain PEG/PPG;
 Does NOT contain PETROLEUM or PETROLATUM derivatives;
 Does NOT contain PHTALATES;
 Does NOT contain SILICONS;
 Does NOT contain SLS/SLES;
 Does NOT contain residual SOLVENTS;
 Does NOT contain SVHC substances;
 Does NOT contain WADA substances (World Anti-Doping Agency);
 Does NOT contain SUBSTANCES of the attachment III-bis of the Dir. 68/2007/CE and it is conforming to Dir. 1223/2009/CE & 831/2019/CE.

Production Date	January 2023
Re-Test Date	January 2026
Electronically generated document, valid without signature and conforming to the original	AGRAR Srl <i>Dr. Paolo Marton</i>