

Technical Datasheet

CELLIGENT®

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1. Application and Storage

Category	ANTI-AGEING: Protection	
Country of Origin	CH	
Notes	CELLIGENT® is a product of natural origin. Please regard the recommended storage temperature. At temperatures < 15°C, crystallisation may occur which might be resolved by heating CELLIGENT® to 65 - 70°C.	
Nature of Raw Materials	The raw materials used to manufacture the cosmetic active ingredient are of plant/biotechnological origin. The active ingredient contains no compounds of animal origin. No mineral oils were used in manufacture.	
Processing / Areas of Application	Anti-aging products, skin care products for sun protection, after-sun products. CELLIGENT® is oil soluble and should be processed at temperatures < 50°C. For additional information refer to the Analytics and Stability Document.	
Recommended Use Level	0.5 - 4 %	
Shelf Life	24 months after production date	
Storage Condition	Temp. 15°C - 22°C, dry place, protected from light (STC 10)	
Specification	Test Point	Specification
	Appearance	Yellow to orange liquid
	Appearance	Oily liquid
	Colour	Yellow to orange liquid
	Odour	Characteristic
	Refraction Index	1.450 - 1.510
	Density	0.900 - 0.960 g/ml
	Total Aerobic Microbial Count	< 100 CFU/g
	Total Yeast/Mould Count	< 100 CFU/g
	Pseudomonas aeruginosa	absent
	Staphylococcus aureus	absent

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2. Registration

INCI-EU	Helianthus Annuus Seed Oil, Ethyl Ferulate, Polyglyceryl-5 Trioleate, Rosmarinus Officinalis Leaf Extract, Aqua, Disodium Uridine Phosphate, Tocopherol			
INCI-USA/JAPAN	Helianthus Annuus (Sunflower) Seed Oil, Ethyl Ferulate, Polyglyceryl-5 Trioleate, Rosmarinus Officinalis (Rosemary) Leaf Extract, Water, Disodium Uridine Phosphate, Tocopherol			
INCI-CHINA (proposed)	Helianthus Annuus (Sunflower) Seed Oil, Ethyl Ferulate, Polyglyceryl-5 Trioleate, Rosmarinus Officinalis (Rosemary) Leaf Extract, Water, Hydrolized RNA, Tocopherol For further information please refer to the CHINA_statement.			
Details of Contents	INCI-US	Content in %	CAS-No.	EINECS-No.
	Helianthus Annuus (Sunflower) Seed Oil	> 50	8001-21-6	232-273-9
	Ethyl Ferulate	1 - 5	4046-02-0	223-745-5
	Polyglyceryl-5 Trioleate	1 - 5	9007-48-1	n.a.
	Rosmarinus Officinalis (Rosemary) Leaf Extract	0.1 - 1	84604-14-8	283-291-9
	Water	0.1 - 1	7732-18-5	231-791-2
	Disodium Uridine Phosphate	< 0.1	3387-36-8	222-211-9
	Tocopherol	< 0.1	54-28-4	200-201-5
Customs Tariff No.	382499 (harmonised system)			
EU Cosmetic Regulation	The product is in compliance with Regulation (EC) No. 1223/2009.			
Proposition List 65	The product does not contain any of the substances listed on California's Proposition 65 List, published October 10, 2016			
Natural Cosmetics	Cosmos	not accepted		
	Ecocert	not accepted		
	NaTrue	not accepted		
Preservatives	None			
REACH	The product is in compliance with Regulation (EC) No. 1907/2006 and is free of SVHC's (according to the current SVHC Candidate List).			
Registration	All raw materials are approved in: CN,EUROPE,JP,US CN: ask for separate statement.			

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Sourcing Continent Active Ingredients	INCI-US	Continent of Origin
	Ethyl Ferulate	Asia,Europe
	Disodium Uridine Phosphate	Asia

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3. Toxicology

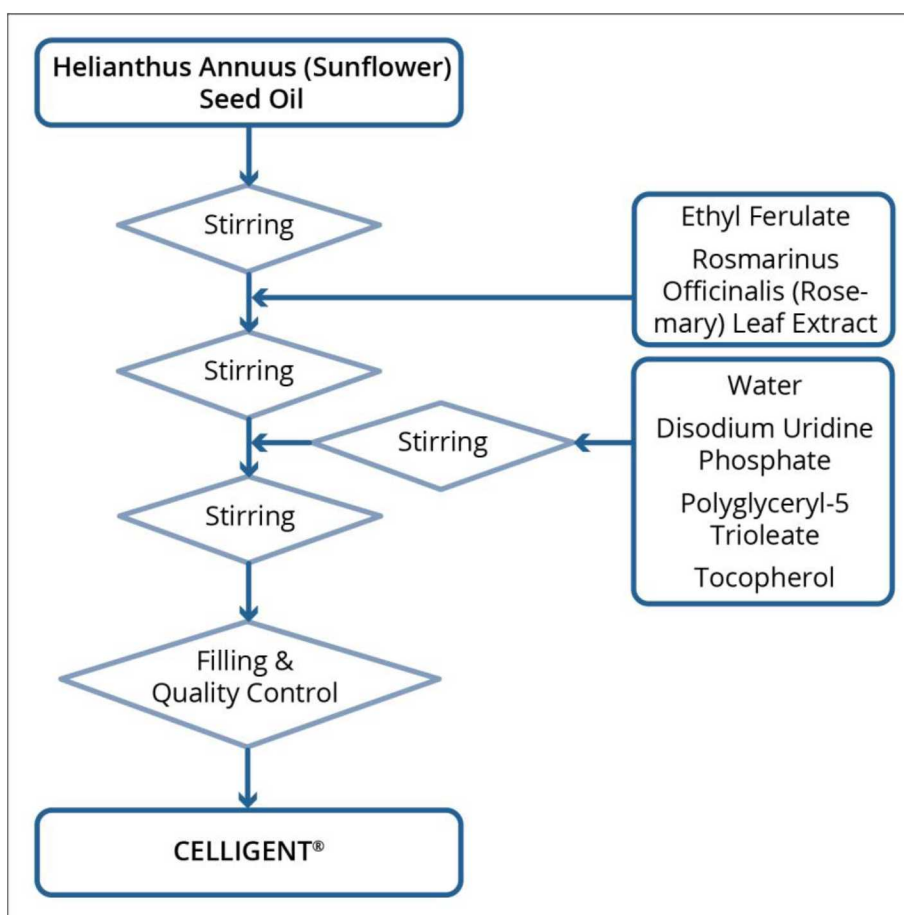
	Test Point	Method	Result
Toxicology	Oral Toxicity	Bibliographical References	Not toxic
	Dermal Irritation	Rep. Human Patch Test, undiluted, on 50 people	Not irritating
	Eye Irritation	OECD No. 437: BCOP-Test, undiluted	Not irritating
	Sensitisation	Rep. Human Patch Test, undiluted, on 50 people	Not sensitising
	Phototoxicity	Photo Patch Test, undiluted, on 50 people	Not phototoxic
	Mutagenicity	OECD No. 471: Bacterial Reverse Mutation Test (AMES) in E. coli and S. typhimurium	Not mutagenic
Ecotoxicology	Biodegradability	OECD No. 301F: Ready Biodegradability	Readily biodegradable
	Daphnia Toxicity	OECD No. 202: Daphnia sp. Acute Immobilisation Test (Limit Test; 100 mg/l, 48 h)	Not toxic
	Water Hazard	Self-categorisation according to VwVwS (Germany only)	Water hazard class 1
Safety Assessment (Annex I of Regulation (EC) No. 1223/2009)	Exposure assessment (based on a conservative exposure scenario: i.e. body lotion containing maximal use level of 4 %).	Evaluation of the toxicological profile of the ingredients with emphasis on MoS calculation (based on NOAEL) by independent, qualified safety assessor.	All ingredients, and consequently the product, can be considered as safe for designated use in finished cosmetic products, provided the recommended use levels are respected. Detailed report available upon request.

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4. Flow Chart



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5. Various Statements

Animal Tests	<p>The product has not been tested on animals.</p> <p>From 11th September 2004, RAHN AG, its agents and its suppliers have performed the following animal testing during development and safety assessment of the product and its ingredients, including any animal testing to meet the legislative or regulatory requirements of third countries:</p> <table><tr><td>Year</td><td>Purpose</td><td>Tested Component</td></tr><tr><td>-</td><td>-</td><td>-</td></tr></table>	Year	Purpose	Tested Component	-	-	-
Year	Purpose	Tested Component					
-	-	-					
BSE	The product is free from substances of bovine origin.						
CMR	The 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.						
Gluten	The product can be considered as gluten-free as it does not contain ingredients derived from grain (e.g. wheat, rye or barley) or does not contain detectable levels of Gluten (< 5 ppm Gluten, measured as Gliadin).						
GMO	The product neither contains genetically modified organisms nor ingredients which are produced from genetically modified organisms.						
Halal	Accepted according to self-assessment.						
Irradiation	Neither the product nor its ingredients were treated with ionising radiation during or after the manufacturing process.						
Kosher	Accepted according to self-assessment.						
Nanomaterial	The product is free from substances defined as nanomaterial under Article 2 Paragraph 1 (k) of Regulation (EC) No. 1223/2009.						
Palm Oil	The product contains RSPO conform or certified sustainable palm oil, palm kernel oil or palm (kernel) oil derivatives. Ask for separate statement if you need further information.						
Production	The manufacturing of the product is in accordance to Cosmetic GMP, i.e. ISO 22716:2007 or equivalent guidelines.						
Vegan	To the best of our knowledge, neither the product nor the constituents or components used in the manufacture of the product contain any material, which is derived from animal / bird / insect or marine animal origin. From this, we conclude that the product is suitable for vegan cosmetics.						

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VOC	0 %
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6. Impurities

	Method	Result
Allergens	GC/MS	Did not contain any of the 26 allergenic substances described in the Cosmetic Regulation.
Heavy Metal	DIN EN ISO 17294 (As, Pb, Cd, Cu) / DIN EN 1483 (Hg)	Heavy metal content was below detection limit.
Pesticides	§64 LFGB L00.00-115 (QuEChERS)	Pesticide content was below detection limit.
Residual Solvents	ICH Guideline for Residual Solvents Q3C(R5), Appendix 1	Does not contain any (residual) solvents.

Brigit Suter, Product & Quality Manager Cosmetic Actives



RAHN AG
Dörflistrasse 120
CH-8050 Zürich
www.rahngroup.com

Zürich

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