Smart science to improve lives™

Synchrolife™

English

sederna

Product Information File

SYNCHROLIFE™

(Item code: SE28274)

RECOMMENDATIONS:

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1. PRODUCT INFORMATION

Description

SYNCHROLIFE™ counteracts the harmful effects of digital pollution that generate stressing signs of fatigue and premature ageing, and makes one feel more beautiful.

SYNCHROLIFE™ is composed of Palmitoyl-glycyl-glutamyl-prolyl-arginine peptide matrikine® (Pal-GQPR) titrated at 750 ppm associated to chrysin and rosemary extract.

Pal-GQPR

INCI Name

Glycerin (and) Pentylene Glycol (and) Rosmarinus Officinalis (Rosemary) Leaf Extract (and) Palmitoyl Tetrapeptide-7 (and) Chrysin.

Proven cosmetic activity

In vitro

Circadian key players production	Anti-inflammatory and anti-oxidant potential
Metabolic boost	Dermal matrix repair

In vivo

Neuro-beauty and well-being	Rehydrating effect
Consumer perceived benefits within 2 days	Glow effect
Improvement in skin recovery	Skin smoothing effect

Formulation guidelines

Appearance: Yellow to yellow brown clear liquid

Solubility: Water soluble

Recommended use level: 2%

Storage

Conditions: Long term storage recommended at 4-7°C.

Re-evaluation date: 24 months from the date of manufacturing, if the storage conditions are respected.

Specifications

See selling specifications or contact your local sales representative.

Patents and publications

WO2021122482, FR3104973

For further information, please contact your local sales representative or refer to our technical dossier available upon request.

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2. MANUFACTURER / SUPPLIER INFORMATION

Supplier and/or Manufacturer

SEDERMA SAS
29 rue du Chemin Vert
78612 Le Perray en Yvelines cedex
France

Certifications and accreditations

	SEDERMA
Environmental management systems	ISO 14001:2015
Quality management systems	ISO 9001:2015
Occupational health and safety management systems	ISO 45001:2018
Good Manufacturing Practices	EFfCI
Authorised Economic Operator (AEO)	Yes
RSPO Supply Chain Certification Standard	Mass Balance (MB). SCCS certificate N°: BVC-RSPO-FR042532

Good Manufacturing Practices

SEDERMA realises their activities according to Good Manufacturing Practices for Cosmetic Ingredients and makes sure they are correctly implemented thanks to external audits.

Cosmetic Grade

SEDERMA hereby confirms that SYNCHROLIFE™ is a cosmetic grade raw material.

According to the Article 2 of the Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products and its amendments: *'cosmetic product' means any substance or mixture intended to be placed in contact with the external parts of the human body (epidermis, hair system, nails, lips and external genital organs) or with the teeth and the mucous membranes of the oral cavity with a view exclusively or mainly to cleaning them, perfuming them, changing their appearance, protecting them, keeping them in good condition or correcting body odours.*

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3. CORPORATE SOCIAL RESPONSIBILITY AND SUSTAINABILITY

Be ACTIVEly Committed

Within the framework of its Corporate Social Responsibility (CSR), the CRODA Group implements corporate governance that applies to its organisation and to its purchasing and supply chains (CRODA CSR report and code of Ethics).

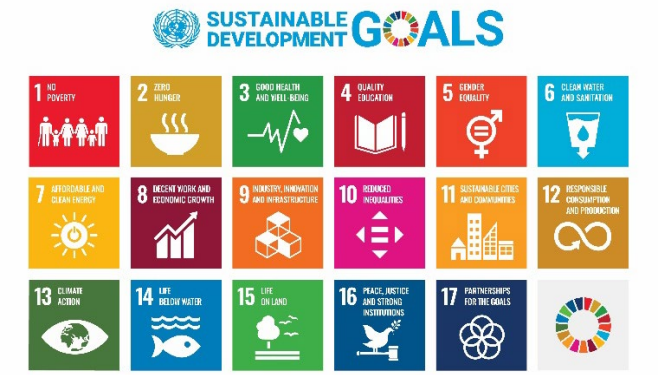
Through its "Smart science to improve lives" strategy, the group commits to being People Land and Climate Positive for 2030.

As an affiliate of the CRODA Group, Sederma is naturally engaged in the implementation of such principles that reflect the corporate culture and values.

Proudly certified ISO14001, ISO45001, ISO9001 and EFfCI for several years now, Sederma has also signed the Responsible Care Global Charter in 2018.

Sederma has initiated a continuous improvement process for its practices, the coherence of which is governed by standard ISO26000 we are committed to minimize social and environmental impacts on our stakeholders without compromising innovation and quality.

This strategy is also aligned with United Nation Sustainable Development Goals.



Sederma has established a code of conduct which includes all its commitments. It aimed to formalize and share our ethical, social and environmental commitments and to unite all our partners around such values. “Code of conduct for responsible relationships and purchasing” is available on our website.

In 2019, this strategy is named Be ACTIVEly Committed and based its commitments on 3 pillars: PEOPLE, PLANET and BUSINESS.

Be ACTIVEly Committed TO BUSINESS

- Business loyalty:

  Sederma undertakes to respect all French and international regulations in the countries where it is established. Particularly with the NAGOYA protocol. For SYNCHROLIFE™ see point 5 “Nagoya Protocol”.

  The company seeks to establish win-win collaboration based on fair practices and favorise social responsibility across the entire value chain.

- Questions to consumers:

  Sederma assesses / certifies its practices with different standards such as COSMOS, ERI 360, ISO 16128, UEBT, Halal, RSPO…

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Be ACTIVEly Committed TO PEOPLE

- Human rights:

  Sederma pays particular attention on human rights and know-how respect in its organisation (prohibit all discrimination, promote gender equality…).

- Relation and health at work:

  Sederma ensures management of health, safety and well-being at work (ISO45001) and promote a strong culture related to safety.

- Community & local development:

  Sederma encourages local development through the sourcing of its raw materials, its collaborations (university, organism) but also by promoting education (interns and apprentices, visiting students on the factory, etc.).

Be ACTIVEly Committed TO THE PLANET

- Environment:

  Sederma ensures environnemental management (ISO14001). The company aims to reduce its consumption of water, wastes and energy in particular by promoting green technologies (PCC, fermentation, supercritical CO2, etc.).

  Part of the Croda Group, Sederma is RSPO certified since 2018. For SYNCHROLIFE™ see paragraph 9 “Palm/palm oil derivatives”.

  The group is also engaged in a decarbonization project to reduce its carbon footprint. In addition, Sederma achieves carbon offsetting through an environmental project (Climate Care, Rimba Raya project).

  Sederma implement sustainable sourcing strategy.

UEBT:

Since September 2020, Sederma is UEBT member and its ambition is to raise awareness about social and environmental responsibility of every actor along the value chain and to favor shared commitments to progress. In particular:

- to pursue traceability and transparency of raw materials, their processing, and of all those involved in these domains,
- to encourage sustainable partnerships between all those involved in the supply chain.

NAGOYA:

SEDERMA fully supports the objectives of the Convention on Biological Diversity and of the Nagoya Protocol, the international instrument adopted on 29 October 2010 by the Parties to the Convention.

In the European Union, compliance measures for users of genetic resources are laid down in the EU CM-ABS Regulation. Individual Member States may introduce legal or regulatory requirements governing the access to genetic resources and associated traditional knowledge on their territories, as well as the sharing of benefits arising from their utilization in accordance with the Nagoya Protocol.

SEDERMA has mapped and evaluated its active ingredients and is able to demonstrate their compliance with the Nagoya Protocol. In addition, the “Nagoya requirements” have been fully integrated in our R&D strategy and are already deployed for our future developments.

Read more about us: https://www.crodapersonalcare.com/en-gb/our-brands/sederma/be-actively-committed

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4. COMPOSITION AND MANUFACTURING PROCESS

Composition

INCI Name (PcPc)	CAS Nr	%	Origin*	Function
Glycerin	56-81-5	qsp 100	V	Solvent
Pentylene Glycol	5343-92-0	≈ 3	V	Solvent
Rosmarinus Officinalis (Rosemary) Leaf Extract	84604-14-8	≈ 0.1	V	Skin conditioning agent
Palmitoyl Tetrapeptide-7	221227-05-0	≈ 0.075	S, V	Skin conditioning agent
Chrysin	480-40-0	≈ 0.02	S	Skin conditioning agent
Manufacturing additive:				
Lactic Acid	79-33-4	max. 1	B	pH buffer
Preservative: /				

* V: vegetable, S: synthetic, B: biotechnology, Mi: mineral

Country of origin

France

Simplified manufacturing process

SYNCHROLIFE™ is a mixture of Glycerin, Pentylene Glycol, Rosmarinus Officinalis (Rosemary) Leaf Extract, Palmitoyl Tetrapeptide-7 and Chrysin.

The ingredient Palmitoyl Tetrapeptide-7 (Pal-GQPR) is obtained by chemical synthesis: coupling of the different amino-acids then final coupling with palmitic acid.

The peptide is added into a mixture of Glycerin, Pentylene Glycol, Rosmarinus Officinalis (Rosemary) Leaf Extract and Chrysin.

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5. REGULATORY INFORMATION

Note: This information is based on the knowledge of our raw materials and of the manufacturing process of the product. It is not part of the product's specifications and thus is likely to change.

Biodiversity

CITES:

SYNCHROLIFE™ does not contain ingredient obtained from endangered species listed on Annexes I, II and III of the Convention on International Trade in Endangered Species of wild fauna and flora (CITES).

IUCN:

The plant raw materials used are not derived from threatened species according to the International Union or Conservation of Nature (IUCN) red list.

Nagoya Protocol:

SYNCHROLIFE™ was developed from the utilisation of the genetic resource *Rosmarinus officinalis* accessed in Tunisia in 2018.

Local ABS law

- The provider country was not a Party to the Nagoya protocol at the date of access of the GR;
- To the best of our knowledge, there was no local ABS law in the provider country at the date of access.

EU CM-ABS Regulation 511/2014

SYNCHROLIFE™ is outside the obligations of Due Diligence declaration.

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Chemical Inventory Status / REACH

		Chemical Inventory							REACH		
INCI Name (PcPc)	**CAS Nr**	**Europe** EINECS Nr	**USA** TSCA	**Canada** DSL/NDSL /ICL	**China** IECSC	**Korea** KECI /K-REACH	**Japan** ENCS /ISHL	**Australia** AIIC	**Exemption if any**	**Pre-registered**	**Registered**
Glycerin	56-81-5	200-289-5	X	DSL	X	X	X	X	Annex V.9		
Pentylene Glycol	5343-92-0	226-285-3	X	NDSL/ICL	X	X	X	X		Yes	01-2119491291-39
Rosmarinus Officinalis (Rosemary) Leaf Extract	84604-14-8	283-291-9	X	DSL	X	X	X	X	< 1 t/year		
Palmitoyl Tetrapeptide-7	221227-05-0	n/a	X	ICL	*	X	*	-	< 1 t/year		
Chrysin	480-40-0	207-549-7	X	-	*	X	*	-	< 1 t/year		
Lactic Acid	79-33-4	201-196-2	X	DSL	X	X	X	X		Yes	01-2119474164-39

*X: listed or exempt -: unknown *: please contact your local sales representative*

Canada:

- Non listed DSL substances can be imported in quantities not exceeding 100kg/year/importer,
- NDSL substances can be imported in quantities not exceeding 1000kg/year/import,
- In-commerce list (ICL) substances can be used in cosmetics as regulated by the F&D Act,
- “Naturally occurring” substances according to the Health Canada definition are exempt of New Substances Regulation.

Australia:

Importer is responsible to categorize their chemical introduction in accordance to the Australian Industrial Chemical Law as ‘Listed’, ‘Exempted’, ‘Reported’ or ‘Assessed’. For ingredient not listed on the Inventory (AIIC), we may provide you with the available test data to perform your assessment.

For Australian customer, please contact your local sales representative for information.

Cosmetic use covered according to the Cosmetics Europe (formerly COLIPA) use mapping.

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Cosmetic Status

Note: Users are responsible for determining the suitability of this product for their own particular purpose and claims.

Countries (Non-exhaustive list)	Cosmetic Regulatory Compliance
European Union Regulation (EC) No1223/2009 and its amendments	Yes
United States of America FD&C Act - 21 CFR 700 to 740	Yes
Canada F&D Act - Cosmetic Regulations c. 869 and Cosmetic Ingredient Hotlist	Yes (See chemical status above)
Australia Therapeutic Goods Act 1989 - section 7AA	Yes (See chemical status above)
Japan Japanese Standards for Cosmetics	Yes
South Korea Cosmetics Act and Safety Standards for Cosmetics	Yes
MERCOSUR GMC Resolutions for personal hygiene products, cosmetics & perfumes	Yes
ASEAN ASEAN Cosmetics Directive	Yes
Taiwan Statute for Control of Cosmetic Hygiene	Yes
China (PRC) Safety and Technical Standards for cosmetics 2015 and IECIC 2021	Yes

ASEAN: Indonesia, Malaysia, the Philippines, Singapore, Thailand, Brunei, Burma (Myanmar), Cambodia, Laos and Vietnam

MERCOSUR: Argentina, Brazil, Paraguay, Uruguay and Venezuela

Nanomaterial

SYNCHROLIFE™ is not a nanomaterial and does not contain nanomaterial, according to the Cosmetic Regulation (EC) No 1223/2009 definition of a nanomaterial:

'Nanomaterial' means 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.

GMO

SYNCHROLIFE™ does not contain and is not produced from genetically modified organisms (GMO).

BSE / TSE

None of the ingredients used for the production of SYNCHROLIFE™ are of bovine, ovine, or caprine origin. Therefore, Bovine Spongiform Encephalopathy (BSE) / Transmitting Spongiform Encephalopathy (TSE) risk, as defined in the European Commission Decision 97/534/EC and EMEA/410/10, does not concern this product.

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6. IMPURITIES AND OTHER RESIDUES

Note: This information is based on the knowledge of our raw materials and of the manufacturing process of the product. Analyses are not part of the product's specifications and are thus not performed in routine.

Heavy metals

Elements		Results (mg/kg) ICP-MS
Arsenic	(As)	<1.5 (1)
Cadmium	(Cd)	<0.5 (1)
Lead	(Pb)	<1.0 (1)
Mercury	(Hg)	<1.5 (1)
Chromium	(Cr)	<2.5 (1)
Antimony	(Sb)	<2.5 (1)
Molybdenum	(Mo)	<2.5 (1)
Tin	(Sn)	<2.5 (1)
Nickel	(Ni)	<2.5 (1)
Cobalt	(Co)	<2.5 (1)
Barium	(Ba)	<2.5 (1)

(1) Internal limits of quantification

Pesticides

Raw vegetables, raw vegetable derivatives and end products used as raw material in the manufacture of SEDERMA's products are monitored for the presence of pesticides according to a risk assessment approach based on materials, processes, analytical availabilities and relevance.

SYNCHROLIFE™ contains ingredients obtained from vegetable derivatives but, according to our knowledge of our raw materials and of manufacturing process of the product, the presence of pesticides residues is not expected. The product itself does not require a pesticides residues monitoring.

Fragrance allergens according to the Annexes II and III of the Regulation (EC) No 1223/2009 and its amendments

Raw vegetables, raw vegetable derivatives and end products used as raw material in the manufacture of SEDERMA's products are monitored for the presence of fragrance allergens according to a risk assessment approach based on materials, processes, analytical availabilities and relevance.

SYNCHROLIFE™ contains ingredients obtained from vegetable derivatives but, according to our knowledge of our raw materials and of manufacturing process of the product, the presence of fragrance allergens residues is not expected. The product itself does not require a fragrance allergens residues monitoring.

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Food allergens

The food allergens information on SYNCHROLIFE™ is as follows:

Substances or products, and their products thereof	Not expected	Information
Cereals containing gluten*	☑	
Crustaceans	☑	
Eggs	☑	
Fish	☑	
Peanuts	☑	
Soybeans	☑	
Milk (including lactose)	☑	
Nuts**	☑	
Celery	☑	
Mustard	☑	
Sesame seeds	☑	
Lupin	☑	
Molluscs	☑	

**: Gluten, namely: wheat, rye, barley, oats, spelt, kamut or their hybridised strains.*

***: Nuts, namely: almonds (Amygdalus communis L.), hazelnuts (Corylus avellana), walnuts (Juglans regia), cashews (Anacardium occidentale), pecan nuts (Carya illinoinensis (Wangenh.) K. Koch), Brazil nuts (Bertholletia excelsa), pistachio nuts (Pistacia vera), macadamia or Queensland nuts (Macadamia ternifolia).*

Coconut (Cocos nucifera) is not considered as a nut.

Moreover, SEDERMA confirms that these previous substances or products, and their products thereof may be used in our company. Nevertheless, efficient cleaning procedures are in place to avoid cross contamination.

Residual Solvents

SYNCHROLIFE™ complies with ICH guideline for residual solvents CPMP/ICH/283/95 and Chapter <467> of USP/NF: Residual Solvents Limits.

CMR

SEDERMA hereby confirms that CMR substances are not intentionally added in SYNCHROLIFE™. Please see the statement for the details.

SVHC

SEDERMA hereby confirms that SVHC are not intentionally added in SYNCHROLIFE™. Please see the statement for the details.

VOC

Please see the statement for the details.

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Proposition 65

The ingredients constituting SYNCHROLIFE™ are not known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act of which we regularly follow the updates.

Glycerin

Glycerin used for the production of SYNCHROLIFE™ meets specifications of accepted pharmacopoeias with respect to Diethylene Glycol impurity (DEG content NMT 0.10%).

Formaldehyde

Formaldehyde and Formaldehyde releasers (as described by the SCCNFP opinions 586/02 and 587/02) are not intentionally added in the manufacturing process of SYNCHROLIFE™.

Phthalates

The following Phthalates are not intentionally added in the manufacturing process of SYNCHROLIFE™. Therefore, SYNCHROLIFE™ would not be expected to contain these substances:

Substances		CAS Nr
Dibutyl Phthalate	(DBP)	84-74-2
Diethylhexyl Phthalate	(DEHP)	117-81-7
Benzyl Butyl Phthalate	(BBP)	85-68-7
Di-n-pentyl Phthalate	(DnPP)	131-18-0
Dimethylglycol Phthalate	(DMEP)	117-82-8
Diisopentyl Phthalate	(DIPP)	605-50-5
Diisobutyl Phthalate	(DIBP)	84-69-5
n-Pentyl-Isopentyl Phthalate	(PIPP)	776297-69-9
Dihexyl Phthalate	(DHP)	84-75-3

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Glycol Ethers

The following Glycol Ethers are not intentionally added in the manufacturing process of SYNCHROLIFE™. Therefore, SYNCHROLIFE™ would not be expected to contain these substances:

Substances		CAS Nr
2-Methoxyethanol / Ethylene Glycol Monomethyl Ether	(EGME)	109-86-4
2-Methoxyethyl Acetate / Methylglycol Acetate	(EGMEA)	110-49-6
2-Ethoxyethanol	(EGEE)	110-80-5
2-Ethoxyethyl Acetate	(EGEEA)	111-15-9
1,2-Dimethoxyethane / Ethylene Glycol Dimethyl Ether	(EGDME)	110-71-4
Oxybis(2-Methoxyethyl) / Dimethoxydiglycol	(DEGDME)	111-96-6
1,2-bis(2-Methoxyethoxy)ethane / Triethylene Glycol Dimethyl Ether	(TEGDME)	112-49-2
2-Butoxyethanol	(EGBE)	111-76-2
2-(2-Butoxyethoxy)ethanol	(DEGBE)	112-34-5
2-(2-Ethoxyethoxy)ethanol	(DEGEE)	111-90-0

Packaging

The packaging of SYNCHROLIFE™ is in compliance with Regulation (EC) No 1935/2004 of the European parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food.

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7. MICROBIOLOGICAL INFORMATION

Specifications

Total aerobic microbial count	<100 cfu/g
Total combined yeasts / moulds count	<10 cfu/g

Water Activity (A_W)

According to the Guidelines for the risk assessment and identification of microbiologically low-risk products (ISO 29621:2017) a product with a water activity (A_W) ≤ 0.75 can be considered as a microbiologically low-risk product, and so a challenge test is not necessary.

The measure of the A_W performed on SYNCHROLIFE™ has given $A_W \approx 0.041$.

Therefore, according to the ISO 29621:2017, SYNCHROLIFE™ can be considered as a microbiologically low-risk product.

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8. TOXICOLOGICAL INFORMATION

Animal testing

SYNCHROLIFE™ has not been tested on animals to fulfil the requirements of the European Cosmetics Regulation (EC) No 1223/2009 and its amendments, by or on behalf of SEDERMA.

Since 1998 and according to CRODA's policy, SEDERMA has decided not to perform any animal testing on its products (except for other specific regulatory purposes).

Toxicological tests results (for detail of tested products, see toxicological assessment)

Local toxicity	
Cutaneous primary tolerance (Patch-test) 30 September 2019	Very good skin compatibility
Cutaneous primary tolerance (SkinEthic model) 8 July 2019	Not be classified as skin irritating
Ocular irritation (EpiOcular test) 5 July 2019	Not be classified as eye irritating
Allergenicity	
Sensitization (HRIPT) 28 October 2019	Non skin sensitizing or irritating
Sensitization (KeratinoSens™) 16 January 2019	Considered as non-sensitizer
h-CLAT 19 June 2019	Considered as non-sensitizer
Systemic toxicity	
Micronucleus test on cultured human lymphocytes on Chrysin 19 February 2019	Non clastogenic
Micronucleus test on cultured human lymphocytes on Palmitoyl Tetrapeptide-7 26 February 2018	Non clastogenic
Mutagenicity (Ames test) on Rosmarinus Officinalis (Rosemary) Leaf Extract 7 June 2019	Non mutagenic
Mutagenicity (Ames test) on Palmitoyl Tetrapeptide-7 26 March 2019	Non mutagenic
Mutagenicity (Ames test) on Chrysin 27 November 2018	Non mutagenic
Endocrine disruption (YES/YAS assay) on Chrysin 13 March 2019	No endocrine disruptor effect
Endocrine disruption (YES/YAS assay) on Rosmarinus Officinalis (Rosemary) Leaf Extract 13 March 2019	No endocrine disruptor effect

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Endocrine disruption (YES/YAS assay) on Palmitoyl Tetrapeptide-7 13 March 2019	No endocrine disruptor effect
Phototoxicity	
Photo-cytotoxicity According to OECD guideline 432: "it has been suggested that if the molar extinction/absorption coefficient is less than 1000 liter/mol/cm the chemical is unlikely to be photoreactive. Such chemical may not need to be tested in the 3T3 NRU phototoxicity test or any other biological test for adverse photochemical effects." As the product SYNCHROLIFE™ does not absorb in UV wavelength (between 290 and 400 nm), we did not carry out any phototoxicity test.	

Complete reports and Expert's certificates are available upon request.

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NOAEL

INCI Name (PcPc)	Dermal Absorption (%)	NOAEL (mg/kg b.w./day)	Read across	Expert panel conclusion
Glycerin	40 [1]	8000 [2, 3, 4, 5]	-	Safe for use [5]
Pentylene Glycol	80 [1, 6]	1000 [6]	-	Safe for use [7]
Rosmarinus Officinalis (Rosemary) Leaf Extract	100*	180 [8]	CO_2 extract	-
Palmitoyl Tetrapeptide-7	10 [1, 9]	0.0023** [10,11]	TTC	Safe for use [12]
Chrysin	40 [1]	500 [13]	-	-
Lactic Acid	30 [14]	500 [15]	-	Safe for use [16]

*: Since it is a plant extract and is composed with many molecules, the skin absorption is considered at 100%.

[1] Kroes *et al,* (2007) Application of the threshold of toxicological concern (TTC) to the safety evaluation of cosmetic ingredients. *Food and Chemical Toxicology*, **45**(12), 2533-2562. Retrieved from https://doi.org/10.1016/j.fct.2007.06.021

[2] ECHA [Online, 2020] Glycerol [consulted the 28/01/2020]. https://echa.europa.eu/fr/registration-dossier/-/registered-dossier/14481

[3] OECD HIPV [online, 2002]. OECD existing chemicals database, Glycerol [consulted the 03/10/2019]. https://hpvchemicals.oecd.org/UI/SIDS_Details.aspx?id=BB8A47ED-67E4-42E5-AA5E-9C04222C4DE8

[4] EFSA (2017) Re-evaluation of Glycerol (E 422) as food additive. *EFSA Journal*, EFSA-Q-2011-00519, 1-64.

[5] CIR (2014) Safety Assessment of Glycerin as used in cosmetics. *Final report*, 1-20.

[6] ECHA [2020, online] Pentane-1,2-diol [consulted the 24/02/2020]. https://echa.europa.eu/fr/registration-dossier/-/registered-dossier/2101/1.

[7] CIR (2012) Safety Assessment of 1,2-Glycols as used in cosmetics. *International journal of toxicology*, **31**(2), 1475-1685.

[8] EFSA (2008) Use of Rosemary Extracts as a food additive. *EFSA Journal, Question No EFSA-Q-2003-140*, **721**, 1-29.

[9] Benson *et al,* (2003) Transdermal delivery of a tetrapeptide: Evaluation of passive diffusion. *Letters in Peptide Science*, **10**, 615-620.

[10] SCCS (2018) The SCCS notes of guidance for the testing of cosmetic ingredients and their safety evaluation 10TH revision. SCCS/1602/18, final version.

[11] European Commission [2019, online] The European Commission's science and knowledge service, Thresholds of toxicological concern for cosmetics-related substances: new database, thresholds, and enrichment of chemical space [consulted the 23/03/2020]. https://ec.europa.eu/jrc/en/publication/thresholds-toxicological-concern-cosmetics-related-substances-new-database-thresholds-and-enrichment

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[12] CIR (2018) Safety Assessment of Tripeptide-1, Hexapeptide-12, their metal salts and fatty acyl derivates, and Pamitoyl Tetrapeptide-7 as used in cosmetics. *International Journal of Toxicology*, Vol(37), 905-1025.

[13] Yao *et al,* (2019) Toxicological evaluation of a flavonoid, chrysin: morphological, behavioral, biochemical and histopathological assessments in rats. *Drug and Chemical Toxicology*, **147**, 1-12.

[14] ECHA 2019: ECHA [2019, online]. L-(+)-lactic acid [consulted the 03/10/2019]. https://echa.europa.eu/fr/registration-dossier/-/registered-dossier/14252

[15] OECD HIPVS 2009: OECD HIPV [2009, online]. OECD Existing Chemicals database, propanoic acid, 2-hydroxy-, (S)- [consulted the 03/10/2019]. https://hpvchemicals.oecd.org/UI/SIDS_Details.aspx?id=A742115A-E4A3-499D-B33D-34C3A9E34B87

[16] CIR (1998) Final report on the safety assessment of glycolic acid, ammonium, calcium, potassium, and sodium glycolates, methyl, ethyl, propyl, and butyl glycolates, and lactic acid, ammonium, calcium, potassium, sodium, and tea-lactates, methyl, ethyl, isopropyl, and butyl lactates, and lauryl, myristyl, and cetyl lactates. *International journal of Toxicology*, **17**, 1-234.

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9. VOLUNTARY COMMITMENT

Cosmos

Not applicable

Contents according to the ISO 16128-1 and ISO 16128-2 standards

Since the publication of the two parts of the ISO 16128-1 & ISO 16128-2 standards, we are aware of the ins and outs thanks to our involvement in different internal and external task forces at the international level. So, the following values are provided according to our interpretation of the standard ISO 16128. They are likely to evolve along the way of discussions with professional federations of cosmetic industry.

Contents (%)			
Natural	**Natural origin**	**Organic**	**Organic origin**
0.10	99.90*	0	0

**: Based on an index of natural origin = 1 for the ingredient Glycerin (Carbon 14 method).*

Palm/palm oil derivatives

SYNCHROLIFE™ is certified RSPO Mass Balance under the reference SYNCHROLIFE™ MBAL (SCCS certificate N°: BVC-RSPO-FR042532).

Halal

SYNCHROLIFE™ is halal certified (Certificate available on request).

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