

ALTERNATIVES

ISSUE NO.03

2024

PRODUCT INNOVATION:

COSPHADERM[®]
TOCOPHARIN

IT COULDN'T BE EASIER:

HOW TO FIND
THE RIGHT INCI

TIME FOR NEW APPROACHES:

COSPHATEC
GOES FRANCE

Cosphatec



NEW HORIZONS ARE WAITING FOR US

The last year was once again characterised by global unrest, devastating wars and supply chain delays that kept the world on tenterhooks. Yet in this challenging time, we didn't just survive, we grew. We expanded our product portfolio with innovative solutions and forged new partnerships that allow us to further drive our mission for sustainable raw materials forward.

A milestone along the way was definitely the foundation of our new subsidiary in France. The associated intensification of market cultivation in France not only enabled us to improve our customer service, but also to strengthen our presence in Europe.

In addition to strengthening our network, we also invested in our knowledge offerings. Through webinars and workshops, we have shared our knowledge of natural ingredients across the world and given many interested parties access to this valuable information.

Our growth is not just limited to our projects, but also extends to our team. We welcomed talented new employees, who work with us to drive forward our goals and visions because our team is our most valuable asset and we are proud of the cooperation and team spirit that we experience within our company.

This year, we will continue to be inspired by the impulses of nature and head towards new horizons. You can look forward to exciting new products, innovative advances in our knowledge transfer and experience exchange offerings, fresh content for our online community and fascinating insights behind the scenes.

We invite you to join us on this exciting journey and delve even deeper into the fascinating world of natural ingredients.


Frank Brauns
CEO



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TIME FOR NEW APPROACHES COSPHATEC GOES FRANCE

We took the next step in our growth last year: We set up a subsidiary in the city of love – Paris! Our Managing Director of Cosphatec GmbH, Frank Brauns, takes a look at developments in this market with Yassine Ibn Slimane, Managing Director of Cosphatec Paris SAS.

We have taken a major step towards growth. What were the vision and strategic considerations behind this important decision?

Frank: Within the EU, France plays a central role in the cosmetic industry. The competitive landscape in the cosmetic raw materials industry is currently characterised by an increasing awareness of sustainability, innovation and quality standards. Our establishment in France gives us the opportunity to achieve a significant competitive advantage in this dynamic environment. Our vision was to be closer to our French customers and to improve market access. Direct sales offer a direct connection to our customers, which enables us to better understand their needs and provide tailor-made solutions. Our experience in the established direct sales markets has shown that this approach enables strong customer retention and an efficient sales structure.

In view of current social and economic developments, what were the specific steps and challenges involved in setting up the subsidiary in France?



Frank: Setting up a subsidiary in a new country required careful market analysis, compliance with local regulations and the recruitment of qualified local staff. At the same time, we looked for an experienced industry expert and placed particular emphasis on a local connection. In Yassine, we found a Managing Director for Cosphatec Paris SAS who has excellent market knowledge and in-depth experience in the sale of cosmetic raw materials.

How do our customers in the cosmetics industry benefit from proximity to our subsidiary in Paris?

Frank: Primarily from our concentrated knowledge. Knowledge is the first raw material that multiplies when you share it. In other words, as experts in the field of natural raw materials, we can now also benefit from Yassine's in-depth specialist and local knowledge.



Sustainability and innovation often go hand in hand. How does Cosphatec combine innovation and sustainability?

Yassine: Sustainability is an important topic at Cosphatec. It is a priority for us to develop, produce and sell environmentally friendly and resource-efficient raw materials of the highest quality. Our strategy is focussed on natural and bio-degradable raw materials, with innovation and sustainability as central pillars. We invest in research and development in order to develop environmentally friendly raw materials and fulfil our customers sustainability requirements. With our international portfolio of renowned cooperation partners worldwide, we pay responsible attention to certified cultivation and the production of high-quality raw materials. Products made from palm oil, for example, are available in RSPO quality.

Frank: I have nothing more to add.

Our customers benefit from a quick and efficient delivery of raw materials, customer-specific solutions and better customer service. Proximity to the metropolis of Paris also enables us to better recognise innovations and trends in the cosmetics industry and position ourselves as a reliable partner at the same time.

Yassine: My professional background includes years of experience in the raw materials industry and in international business relations. This experience has provided me with a solid understanding of the needs of our customers and the complex challenges of the market. I can utilise this perfectly in my role as Managing Director. The direct connection to the parent company enables a constant exchange and consolidation of the market position. At the same time, customers benefit from Cosphatec GmbH's existing brand experience and numerous service offerings, which will now be available even more extensively in French.



YASSINE IBN SLIMANE

Born and raised in Paris, Yassine has extensive expertise in the field of chemistry as well as an excellent understanding of economic relationships in the cosmetics and perfume industry.

He gained experience in many renowned companies in France, e.g. as a formulator at Yves Saint Laurent.

TIME FOR MORE ROUTINE

A daily skincare routine that is tailored to individual needs leads to visible skin improvements and an increased sense of well-being.

Here we present our effective skincare set, which is based on the best quality raw materials and optimally moisturises the skin throughout the day.

DID YOU KNOW?

As natural multifunctionals, organic acids like our **Cosphaderm® Sodium LAAS** are all-rounders for many types of formulations.

In combination with our **Cosphaderm® Diols** or **Cosphaderm® GMCY**, the antimicrobial effect is boosted.

Expand your routine?

More inspiration can be found in our continuously growing formulation portfolio at www.cosphatec.com/formulations



CLEANSING

Gentle on the skin and regenerating at the same time: Our **BI-PHASE MAKE-UP REMOVER** is applied carefully in circular movements to remove all impurities.



[cosphatec.com/
biphasemakeupremover](http://cosphatec.com/biphasemakeupremover)

SPECIAL SKINCARE

Massage a few drops thoroughly into the skin: Our **ULTRA HYDRATING SERUM** has an anti-aging effect so that the skin is regenerated and smoothed.



[cosphatec.com/
ultrahydratingserum](http://cosphatec.com/ultrahydratingserum)

SEALING

It is best to seal in the previous nourishment and moisturise the skin. Our **INTENSE MOISTURISING CREAM** is suitable as a day and night cream.



[cosphatec.com/
intensemoisturisingcream](http://cosphatec.com/intensemoisturisingcream)

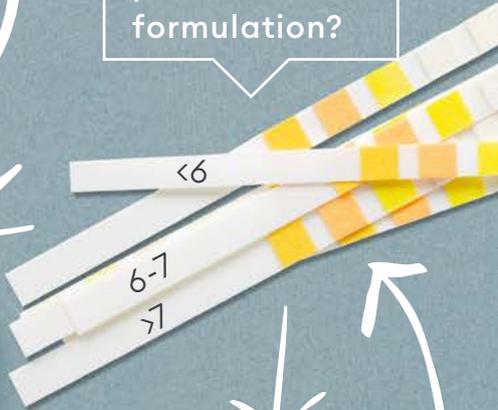
HOW TO FIND THE RIGHT INCI



Finding the right raw material for a formulation can be challenging. Depending on the goal and requirements, there are different starting situations and questions that lead to our recommendation when making a decision.

What type of formulation should be developed?

What is the pH value of the formulation?



What functions should the raw material have?



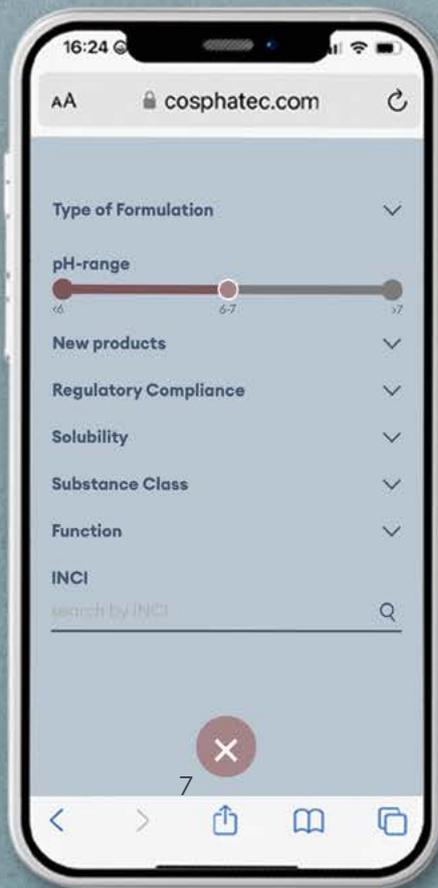
Are you looking for a specific substance class?



You can easily find the right raw materials on our website using our **product filter**. Simply select the desired properties.



cospatec.com/products/



Organic Acids
Diols
Esters
Blends
...

NEW PRODUCT

COSPHADERM® TOCOPHARIN – ANTIOXIDATIVE PROTECTION FOR SKIN AND FORMULATION

The human skin is a natural protective shield that is subject to considerable strain over the course of a lifetime. External influences such as UV radiation, air pollution, stress and cigarette or alcohol consumption cause additional oxidative stress and thus contribute to the skin's ageing process. The quality of cosmetic formulations also suffers from oxidation processes: the oils they contain become rancid. However, these processes can be significantly inhibited by choosing suitable antioxidants. Cosphaderm® Tocopharin is an antioxidant blend that combines the protection of the oil phase of the formulation with a positive influence on oxidation processes in the skin.

Consisting of the natural antioxidants Tocopherol and Carnosic Acid dissolved in Sunflower Oil, Cosphaderm® Tocopharin as a blend is easy to use and does not affect the smell or colour of the formulation. The included mixed tocopherols contain a high proportion of γ -Tocopherol and thus ensure excellent protection of the oil phase

of the formulation. Carnosic Acid obtained from rosemary (*Rosmarinus Officinalis*) not only supports the tocopherols in protecting the oil phase, but also has a distinct effect in protecting the skin from oxidative stress.

SKIN PROTECTION AGAINST UV DAMAGE THANKS TO NATURAL CARNOSIC ACID

Antioxidants play a crucial role in cosmetic products as they protect the skin from oxidation-induced damage and associated signs of ageing. As natural plant constituents, antioxidants neutralise free radicals. With the help of their radical-scavenging or electron donor properties, they render them harmless. Oxidation processes are mainly caused by reactive oxygen species (ROS). According to Loussouarn *et al.* (2017), the antioxidant effect of Carnosic Acid is based on chemical quenching of these reactive oxygen species¹.

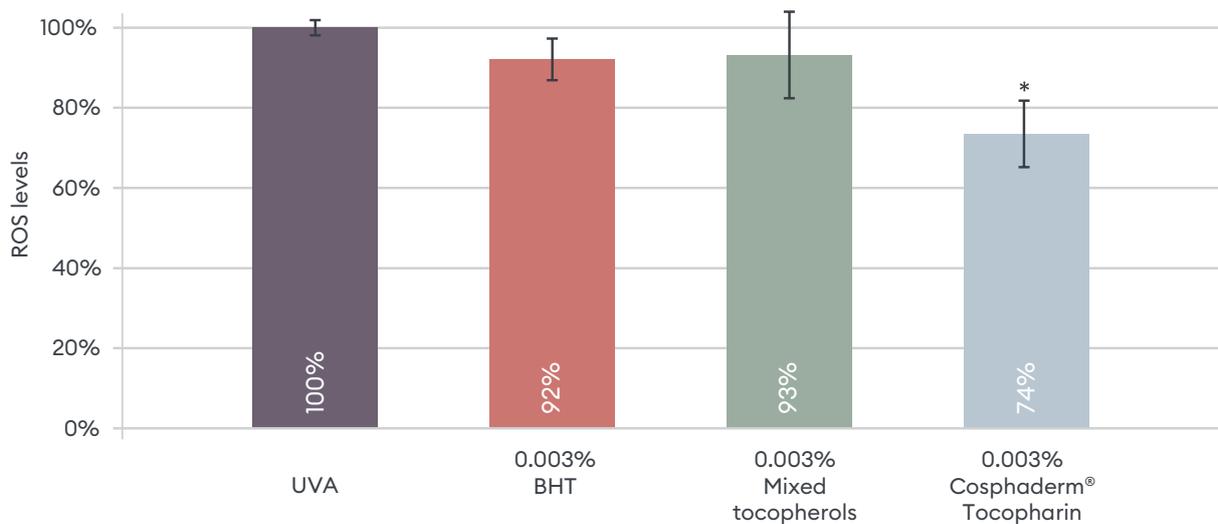


Figure 1: Fluorometrically determined relative ROS quantity in human keratinocytes after 24-hour incubation with the test substances and subsequent two-hour UVA irradiation. Samples: untreated UVA-irradiated control (violet), BHT (red), mixed tocopherols (green), Cosphaderm® Tocopharin (blue). Statistical significance is indicated by * for $p < 0.05$.

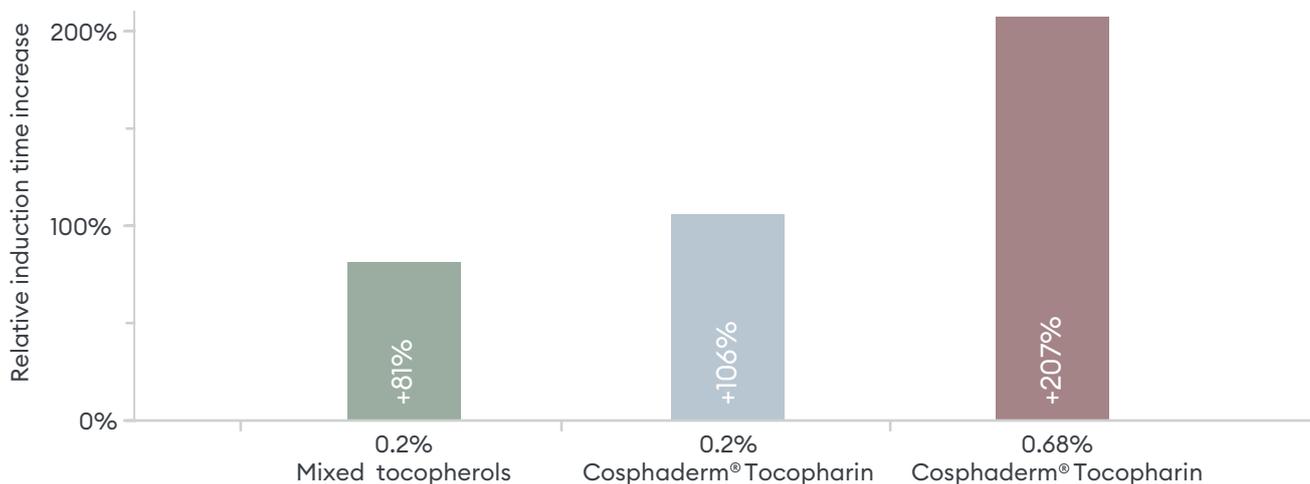


Figure 2: Determination of oxidation stability via Rancimat test at 100 °C according to method §64 LFGB L13.00-38:2010-01. Relative increase in induction time compared to untreated sunflower oil by 0.2% mixed tocopherols (green), 0.2% Cosphaderm® Tocopharin (blue) or 0.68% Cosphaderm® Tocopharin (red).

In order to substantiate the antioxidant effect of Cosphaderm® Tocopharin in the skin, an *in vitro* study was conducted in which the amount of reactive oxygen species in human keratinocytes was measured. These skin cells were incubated with the test substances for 24 hours, exposed to UV irradiation for induction of ROS formation and subsequent measurement of decreased ROS formation. The positive effect of Cosphaderm® Tocopharin becomes obvious in comparison to the reference materials mixed tocopherols and the synthetic standard antioxidant Butylated Hydroxytoluene (BHT), which were each used at the same concentration in the assay (Fig. 1). The synthetic antioxidant BHT and the mixed tocopherols display comparable performance at 0.003%. At the same application concentration, Cosphaderm® Tocopharin can significantly decrease the formation of ROS through UV irradiation. Compared to the untreated sample, Cosphaderm® Tocopharin can reduce the ROS level by 26%. These results confirm a striking skin-cell-protecting effect of Cosphaderm® Tocopharin against UV-induced oxidation processes.

ADDITIONAL BOOST FOR TOCOPHEROLS IN PRODUCT PROTECTION

Cosmetic formulations containing oils must be protected against visual and odour impairment caused by oxidative processes. Thanks to the combination of the two antioxidant substances

Tocopherol and Carnosic Acid, only low concentrations of Cosphaderm® Tocopharin starting from 0.1% are required to ensure excellent product protection. The outstanding effectiveness of Cosphaderm® Tocopharin in protecting oils against rancidity was demonstrated in Rancimat tests in comparison with the industry standard mixed tocopherols (Fig. 2). Relative change compared to untreated sunflower oil when using the antioxidants is shown. The improvement in oxidation stability with 0.2% mixed tocopherols is evident. At the same concentration, a further 25% increase in stability can be achieved with Cosphaderm® Tocopharin. At equivalent quantity of tocopherols, the influence of Carnosic Acid is clearly highlighted. The corresponding application concentration of 0.68% Cosphaderm® Tocopharin leads to a tripling of the oxidation protection performance.



The new antioxidant blend
Cosphaderm® Tocopharin therefore is the perfect choice for protecting formulations and the skin itself from oxidative stress.



cospatec.com/cosphaderm-tocopharin

¹Loussouarn, M. et al., *Plant Physiol.* 2017, 175(3), 1381-1394.

PRODUCTS

NATURAL MULTIFUNCTIONALS

Our most popular products and the raw materials we like the most are 100% natural and sustainably sourced, as well as bio-degradable and compliant with various ecolabels. Cosphaderm® Natural Multifunctionals have a strong antimicrobial effect and provide microbial stability for many different personal care applications. They are not listed as preservatives according to the EU Cosmetics Regulation, but they are the perfect replacement for traditional preservatives.

Benefit from the excellent skin tolerance and additional functionality that these raw materials provide.

Name	INCI name	COSMOS	NATRUE	Spectrum of activity			pH range	Rec. Conc. [%]
				Bacteria	Yeasts	Moulds		
Cosphaderm® LA-T	Levulinic Acid, Glycerin, Sodium Levulinate, Aqua	✓	✓	●	◐	○	< 6.0	0.5 - 1.0
Cosphaderm® LA-T palmfree	Levulinic Acid, Glycerin, Sodium Levulinate, Aqua	✓	✓	●	◐	○	< 6.0	0.5 - 1.0
Cosphaderm® pAS natural	p-Anisic Acid	✓	✓	○	◐	●	< 6.0	0.05 - 0.3
Cosphaderm® Sodium pAS natural	Sodium Anisate	✓	✓	○	◐	●	< 6.0	0.05 - 0.3
Cosphaderm® Sodium LAAS	Sodium Levulinate, Sodium Anisate	✓	✓	●	●	●	< 6.0	0.8 - 1.2
Cosphaderm® Propanediol natural	Propanediol	✓	✓	◐	◐	◐	pH ind.	1.0 - 5.0
Cosphaderm® Pentiol natural	Pentylene Glycol	✓	✓	●	◐	◐	pH ind.	1.0 - 3.0
NEW Cosphaderm® Hexiol natural	1,2-Hexanediol	✓	✓	●	◐	◐	pH ind.	1.0 - 2.0
Cosphaderm® Heptiol natural	1,2-Heptanediol	✓	✓	●	●	◐	pH ind.	0.8 - 1.0
Cosphaderm® Octiol natural	Caprylyl Glycol	✓	✓	●	●	◐	pH ind.	0.3 - 0.5
Cosphaderm® GMCY	Glyceryl Caprylate	✓	✓	●	●	◐	3.5 - 7.5	0.3 - 0.7
Cosphaderm® GMUD	Glyceryl Undecylenate	✓	✓	◐	●	●	3.5 - 7.5	0.1 - 0.7
Cosphaderm® Magnolia Extract 98	Magnolia Officinalis Bark Extract	✓	✓	◐	◐	●	pH ind.	0.05 - 0.2
Cosphaderm® Zinc Lactate natural	Zinc Lactate	✓	✓	●	●	◐	3.5 - 7.0	0.3 - 2.0
Cosphaderm® CHA	Caprylhydroxamic Acid	—	✓	●	●	●	4.0 - 7.5	0.05 - 0.3
Cosphaderm® GeMix	Glyceryl Caprylate, Glyceryl Undecylenate	✓	✓	●	●	●	3.5 - 7.5	0.8 - 1.2
Cosphaderm® MultiMEG	Glyceryl Caprylate, Pentylene Glycol, Magnolia Officinalis Bark Extract	✓	✓	●	●	●	3.5 - 7.5	1.2 - 1.6
Cosphaderm® TOM	Pentylene Glycol, Glyceryl Caprylate, Glyceryl Undecylenate	✓	✓	●	●	●	3.5 - 7.5	1.8 - 2.2
Cosphaderm® Dicapo natural	Caprylyl Glycol, Propanediol, Glyceryl Caprylate	✓	✓	●	●	●	3.5 - 7.5	0.7 - 1.0
Cosphaderm® Capo	Caprylyl Glycol, Propanediol	✓	✓	●	●	◐	pH ind.	0.6 - 1.0

MULTIFUNCTIONALS

Our nature-identical, bio-degradable Multifunctionals will help you to gradually transition to more natural resources, as most of the structures are already found in nature.

Benefit from the strong antimicrobial effect these raw materials provide to replace listed preservatives or boost a preservation system in an eco-friendly way.

Name	INCI name	COSMOS	NATRUE	Spectrum of activity				Rec. Conc. [%]
				Bacteria	Yeasts	Moulds	pH range	
Cosphaderm® AS	<i>p</i> -Anisic Acid	—	—	○	◐	●	< 6.0	0.05 - 0.3
Cosphaderm® Pentiol GL	Pentylene Glycol	—	—	●	◐	◐	pH ind.	1.0 - 3.0
Cosphaderm® Hexiol	1,2-Hexanediol	—	—	●	◐	◐	pH ind.	1.0 - 2.0
Cosphaderm® Octiol	Caprylyl Glycol	—	—	●	●	◐	pH ind.	0.3 - 0.5
Cosphaderm® Dicapo	Caprylyl Glycol, Glyceryl Caprylate, Dipropylene Glycol	—	—	●	●	●	3.5 - 7.5	0.7 - 1.0

PRESERVATIVES

Our experts have developed mild, highly efficient blends that combine selected preservatives with Cosphaderm® Multifunctionals.

Choose our Cosphagard® range if you want to reduce the amount of listed preservatives – in both mass market products and any other kind of formulation.

Name	INCI name	COSMOS	NATRUE	Spectrum of activity				Rec. Conc. [%]
				Bacteria	Yeasts	Moulds	pH range	
Cosphagard® Elbe	Aqua, Sodium Levulinate, Sodium Benzoate	✓	✓	●	●	●	4.0 - 6.0	2.0 - 2.5
Cosphagard® Pol	Aqua, Sodium Levulinate, Potassium Sorbate	✓	✓	●	●	●	< 6.0	1.5 - 2.0
Cosphagard® Exact	Phenoxyethanol, Ethylhexylglycerin	—	—	●	●	●	pH ind.	0.5 - 1.0

● strong ◐ moderate ○ weak



ANTIOXIDANTS

Our Cosphaderm® Antioxidants are inspired by some of the most powerful natural approaches for protection against oxidation processes. In addition to the high-class Tocopherols in our portfolio, we developed combinations of them with natural antioxidant boosters like Ascorbyl Palmitate or Carnosic Acid to achieve the best performance for cosmetic formulations. Test our blends Cosphaderm® Tapmix and Cosphaderm® Tocopharin to experience new solutions for your antioxidant challenges.

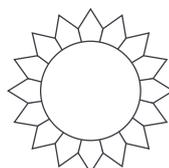
Name	INCI name	COSMOS	NATRUE	Source	Function	Rec. Conc. [%]
Cosphaderm® T-50 NON GMO ECO	Tocopherol, Helianthus Annuus Seed Oil	✓	✓	Soy, Sunflower	Antioxidant, Product protection	0.07 - 0.3
Cosphaderm® T-70 NON GMO ECO	Tocopherol, Helianthus Annuus Seed Oil	✓	✓	Soy, Sunflower	Antioxidant, Product protection	0.05 - 0.2
Cosphaderm® AP	Ascorbyl Palmitate	✓	✓	Corn, Palm oil	Antioxidant, Product Protection, Whitening	0.05 - 0.1
Cosphaderm® Tapmix	Lecithin, Helianthus Annuus Seed Oil, Tocopherol, Ascorbyl Palmitate	✓	✓	Rapeseed, Sunflower, Corn	Antioxidant, Radical scavenger, Skin conditioning	0.5 - 1.0
NEW Cosphaderm® Tocopharin	Carnosic Acid, Tocopherol, Helianthus Annuus Seed Oil	✓	✓	Rosemary, Soy, Sunflower	Antioxidant, Product Protection, Skin conditioning	0.1 - 0.5

NATURAL EMULSIFIERS AND EMOLLIENTS

Our Cosphaderm® Emulsifiers and Emollients comprise a careful selection of natural Ingredients to provide emulsion stability and optimize the skin feeling of your formulation. Rely on our 100% natural lecithin types for a great skin feeling or as elegant co-emulsifiers. Combine our lecithins with the main emulsifier Cosphaderm® GS Connect for stability and enhanced sensory characteristics.

Our light, fast-spreading Cosphaderm® Feel is a natural substitute for silicone oils.

Name	INCI name	COSMOS	NATRUE	Source	Function	Rec. Conc. [%]
NEW Cosphaderm® GS Connect	Glyceryl Stearate Citrate	✓	✓	Palm oil, Rapeseed oil, Corn	Emulsifying, Skin conditioning, Emollient	1.0 - 3.0
NEW Cosphaderm® E NGM natural	Lysolecithin	✓	✓	Soy	Emulsifying, Skin conditioning	0.5 - 5.0
Cosphaderm® E NGM	Lysolecithin	—	—	Soy	Emulsifying, Skin conditioning	0.5 - 5.0
ORGANIC Cosphaderm® SF-D organic	Lecithin	✓	✓	Sunflower	Emulsifying, Skin conditioning	1.0 - 5.0
Cosphaderm® SF-75H	Hydrogenated Lecithin	✓	✓	Sunflower	Emulsifying, Skin conditioning	1.0 - 3.0
Cosphaderm® SB-75H	Hydrogenated Lecithin	✓	✓	Soy	Emulsifying, Skin conditioning	1.0 - 3.0
ORGANIC Cosphaderm® Lecimix organic	Lecithin, Helianthus Annuus Seed Oil	✓	✓	Sunflower	Emulsifying, Skin conditioning	1.0 - 7.0
Cosphaderm® Feel	Triheptanoin	✓	✓	Rapeseed, Castor	Fast spreading emollient, Skin conditioning, Hair conditioning	1.0 - 10.0



NATURAL THICKENING AGENTS AND GELLING AGENTS

According to cosmetic formulators, we offer the best xanthan gums on the market. They are 100% natural and vegan, highly transparent, extremely stable and easy to disperse and have exceptional rheologic properties. Cosphaderm® Xanthan Gums have an excellent impact on sensory profiles without leaving a sticky feeling. Replace carbomers and avoid microplastics with a natural, vegan gelling agent – Cosphaderm® KG is the ideal choice for the optimum viscosity increasing material that nature offers.

Name	INCI name	COSMOS	NATRUE	Source	Function	Rec. Conc. [%]	VEGAN
Cosphaderm® X7	Xanthan Gum	✓	✓	Corn	Emulsion stabilising, Viscosity controlling	0.1 - 1.0	VEGAN
Cosphaderm® X24	Xanthan Gum	✓	✓	Corn	Emulsion stabilising, Viscosity controlling	0.1 - 1.0	VEGAN
Cosphaderm® X34	Xanthan Gum	✓	✓	Corn	Emulsion stabilising, Viscosity controlling	0.1 - 1.0	VEGAN
Cosphaderm® X soft	Xanthan Gum	✓	✓	Corn	Emulsion stabilising, Viscosity controlling	0.1 - 1.0	VEGAN
Cosphaderm® KG	Amorphophallus Konjac Root Extract	✓	—	Konjac	Emulsion stabilising, Viscosity controlling, Gel forming, Film forming	0.1 - 1.0	VEGAN

ACTIVE SUBSTANCES

Our Cosphaderm® Actives satisfy the requirements of formulators and marketeers alike: they are highly efficient and offer outstanding functions, such as anti-aging, antioxidants, skin conditioning, moisturising and warming. They are all vegan, non-GMO and most are Ecolabel-compliant.

Formulate what you claim. Claim what you formulate.

Name	INCI name	COSMOS	NATRUE	Source	Function	Rec. Conc. [%]	VEGAN
Cosphaderm® Absolute	Propanediol, Sodium Lactate, Betaine, Aqua	✓	✓	Oil palm, Corn, Sugar beets	Humectant, Skin conditioning, Water activity reducing, Antimicrobial	10.0 - 20.0	VEGAN
Cosphaderm® EGCg ECONAT	Camellia Sinensis Leaf Extract	✓	✓	Camellia Sinensis	Anti-pollution, Antioxidant, Radical scavenger	0.05 - 0.1	VEGAN
Cosphaderm® Sodium Hyaluronate low 5	Sodium Hyaluronate	✓	✓	Corn, Soy	Humectant, Moisturiser for deeper skin layers, Anti-aging	0.05 - 0.1	VEGAN
Cosphaderm® Sodium Hyaluronate low	Sodium Hyaluronate	✓	✓	Corn, Soy	Humectant, Anti-aging, Skin conditioning	0.1 - 0.2	VEGAN
Cosphaderm® Sodium Hyaluronate	Sodium Hyaluronate	✓	✓	Corn, Soy, Sugar cane, Wheat	Humectant, Skin conditioning	0.1 - 0.3	VEGAN
Cosphaderm® Sodium Hyaluronate high	Sodium Hyaluronate	✓	✓	Corn, Soy	Moisturising film former, Skin conditioning, Viscosity controlling	0.1 - 0.3	VEGAN
Cosphaderm® VBE	Vanillyl Butyl Ethers	—	—	Synthetic	Warming, Hair conditioning, Skin conditioning	0.1 - 0.3	VEGAN
Cosphaderm® E-1000 NON GMO	Tocopherol, Helianthus Annuus Seed Oil	—	—	Soy, Sunflower	Antioxidant, Anti-aging, Radical scavenger	0.1 - 0.5	VEGAN
Cosphaderm® E-1000 Sunflower	Tocopherol, Helianthus Annuus Seed Oil	✓	✓	Sunflower	Antioxidant, Anti-aging, Radical scavenger	0.1 - 0.5	VEGAN
Cosphaderm® E-1000Ac NON GMO	Tocopheryl Acetate, Helianthus Annuus Seed Oil	—	—	Soy, Sunflower	Antioxidant, Anti-aging, Radical scavenger, Skin conditioning	0.5 - 1.0	VEGAN
Cosphaderm® PA ECONAT	Phytic Acid, Aqua	✓	✓	Corn, Rice	Chelating	0.1 - 0.3	VEGAN
Cosphaderm® PA-12	Sodium Phytate	✓	✓	Corn	Chelating	0.1 - 0.3	VEGAN
Cosphagard® SA natural	Salicylic Acid	✓	✓	Wintergreen	Keratolytic, Anti-seborrheic, Preservative	max. 3.0*	VEGAN

According to EU cosmetics Regulation

* Preservative max. 0.5%, Leave On max. 2.0%, Rinse Off max. 3.0%

FAQ

The EU cosmetics regulation controls the use of cosmetic raw materials. What about the use of raw materials in the food sector?

Cosmetic products need to be safe for human health, which is why substances with a food authorisation can also be used in cosmetics under certain conditions. Unfortunately, there are currently no uniform global standards for when a product is authorised as a cosmetic or food. For example, toothpaste and mouthwash are considered cosmetics in the EU, whereas in other countries food regulations must be fulfilled.

Whether or not a food or cosmetic authorisation is required, is a complex question that depends on the national regulations for each product category. If you are unsure about the ingredients required for a product, it is advisable to contact the local authorities. We are happy to support you in developing a suitable solution and, if necessary, adapt the formulation to the regulations.

I would like to sell my products in Asia and South America. Is a food authorisation required here?

What is the difference between the Natural Index and the Natural Origin Index?

The Natural Index (NI) is given as 0 or 1 and refers to the extraction of raw materials. Natural substances with a value of 1 come from plants, moulds, microorganisms, animals and minerals that have been fermentatively modified by natural organisms or altered using physical methods. Chemical reactions are excluded. If chemical processes are carried out, the NI of the raw material is 0.

The Natural Origin Index (NOI) is defined as 0 and values between 0.5 and 1 and reflects how much of a substance is of natural origin. A value of 0 shows that a substance is of synthetic origin, while a value of 1 signifies a natural origin. For example, the value can be calculated using the molecular weight or the carbon atoms from renewable sources or with other defined biological and chemical processes. The **index of a blend** of different ingredients is made up proportionally of the values of the individual components including the solvent. The index provides a useful framework for producers of cosmetics products when defining the naturalness of a product.

How do the values come together, how are they calculated?

We explain this using two examples:

Glycerin comes from plant/renewable sources so the NOI is 1 (natural origin). The substance is obtained by saponification of fats/triglycerides, i.e. a chemical process, which is why the NI is 0.

Magnolia extract comes from plant renewable sources so the NOI is 1. The raw material is extracted from the plant material by physical processes and no chemical modification takes place, which is why the NI is 1.

Can I use your ingredients if I want to get a natural certification for my products?

Our products are tested and approved by NATRUE and COSMOS. We also source palm oil and palm oil products mainly from RSPO-certified sources.

However, there are many other labels and certifications worldwide. Our products generally already fulfil the requirements of various countries and organisations.

A comprehensive list of well-known labels and certifications and their meaning can be found on our website.



COSMOS APPROVED



9-5426-24-100-02



cospatec.com/en/our-services/certificates/

Yes, the authorisation and certification is now linked to RSPO certification. Since the 1st of January 2023, only RSPO-certified raw materials (minimum MB Quality) can receive approval or certification with the COSMOS and NATRUE label. Formulated products that already have the label must be reformulated to meet the requirements until the 31st of December 2024. For further information on topics of RSPO, please send us an email at info@cospatec.com.

Do my substances have to be RSPO certified if I am aiming for a COSMOS and/or NATRUE label for my products?

I would also like to sell my products in China. What do I need to consider?

There are a variety of requirements here. We are happy to support you, for example, with the registration and notification procedure of the National Medical Products Administration, provided that the listing of the INCI in the "Inventory of Existing Cosmetic Ingredients in China" (IECIC) has been completed.

If you need the submission number for products, please email us at info@cosphatec.com.

Depending on customer preferences, we are happy to advise on the selection of our Multifunctionals in order to achieve optimum antimicrobial stability. We take into account the type of formulation, the pH value, the packaging of the formulation and the concentration of raw materials. Cosphatec also provides preservative efficacy testing (PET) in accordance with the European Pharmacopoeia (Eu. Ph.) 5.1.3. as well as PET according to ISO 11930.

Contact us, we would be happy to offer you advice.

cosphatec.com/challenge-test



I am not sure if my preservation system works sufficiently. What can I do now?

How do you ensure your product quality?

Every incoming raw material undergoes a comprehensive incoming goods inspection, during which product-specific requirements are checked and tested. We also carry out periodic analyses and screenings. Physical tests, purity and content determinations, as well as certain contaminant analyses are carried out in our own test laboratory. In this way, we can respond to individual analysis requests in a quick and flexible manner.

In accordance with the requirements of our ISO 9001-certified quality management system, we are continuously improving all quality control and production processes. This is how we ensure that we supply our customers with the best possible products. For detailed information on the tests used, please get in touch with us.



STILL HAVE QUESTIONS?

We answer questions about our products and innovations in ...

... OUR FREE, INTERACTIVE WEBINARS.

Here we show ways to meet current cosmetic trends with natural products, explain alternative preservation methods and illustrate this with specific application examples. In our 30-45 minute webinars, our experts provide real expertise.

Register now at:
cospatec.com/webinars



... EXCLUSIVE CUSTOMER WORKSHOPS

Specific questions about current developments or questions about preservation methods?

Our workshops that are based on your individual requirements offer you and your team the ideal opportunity to learn from our experts. These workshops can take place in our laboratory or on your premises. Are you interested in taking part in a workshop with a steep learning curve?

Then please send us a non-binding enquiry to:
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