

# ALTERNATIVES ISSUE NO.02

2023

PRODUCT INNOVATION

**COSPHADERM®  
ABSOLUTE**

WATER-FREE AND CLEAN

**RESPOND TO CURRENT  
CARE TRENDS WITH  
MULTIFUNCTIONALS**

SHARE AND THINK AHEAD

**BENEFIT FROM  
COSPATEC'S  
EXPERIENCE AND  
KNOWLEDGE DATABASE**

*Cosphatec*

# OUR JOURNEY CONTINUES

Over the past year rising prices and limited resources have put us to the test. We have learned not only how important it is to be independent, but also how to get through difficult times with the support and cohesion of friends and partners. We are both glad and proud to have this network and to work hand in hand together.

We are also more than proud to say that we have grown in these difficult times: we have been able to expand our product portfolio with innovations, enter into new partnerships, finally visit customers and partners around the world again, and make appearances at trade fairs. Along with improved networking, our educational offering in the form of

webinars and workshops has enabled us to further expand our vision of sustainable ingredients and make it accessible to those who are interested. Not only in our projects, but also in our team, we have been able to grow further and welcome some great new employees.

Also this year, nature is our compass and will guide us to the next objective. Some exciting new products, innovations in our offering for transferring knowledge and exchanging experiences, new content for our online community, fascinating insights behind the scenes, and much more await you.

Join us on our journey and immerse yourself in the world of natural ingredients.



Frank Brauns  
CEO



Jorit Tessmann  
Managing Director



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# KNOWLEDGE

## MICROBIAL PROTECTION AND MAINTAINING THE BALANCE OF THE SKIN MICROBIOME WITH COSPHADERM® MULTIFUNCTIONALS

Cosphatec helps customers choose the right preservation strategy to effectively protect their cosmetic products from microbial deterioration. Bacteria, yeasts, and moulds can cause formulations to change their colour, consistency or odour, in the worst case, even pose a health risk for consumers.

We offer antimicrobially effective Multifunctionals for this purpose, which inhibit the growth of potentially pathogenic germs besides also fulfilling several other functions for the skin and/or the formulation. But not all microorganisms are “bad” – on the contrary, some of them are even an essential part of a healthy skin microbiome.

The skin microbiome comprises the sum of all microorganisms on the skin, which include different bacteria and yeasts. Healthy skin is governed by a specific balance of these microorganisms. But if this balance is disrupted, this may be accompanied by skin damage. For this reason, it is important

to apply products to the skin that largely leave the integrity of the microbiome undamaged and maintain the natural balance of the skin.

In recent years, microbiome-friendly products have developed into a real trend in the cosmetics industry. These are formulations that have few effects on the composition of the skin microbiome, or none at all.

To guarantee this, products from our portfolio – Cosphaderm® Zinc Lactate natural, Cosphaderm® Magnolia Extract 98, Cosphaderm® Sodium LAAS and Cosphaderm® Capo – were examined in terms of their compatibility with the skin microbiome.

This involved evaluating the parameters of vitality and diversity in the organisms of the skin microbiome, as well as skin protection.

### RELATIVE VITALITY

Growth behaviour of selected microorganisms in the presence of the test product

### RELATIVE DIVERSITY

Change in the composition of selected leading microbiome organisms in the presence of the test product

### SKIN PROTECTION FUNCTION

Number of pathogenic test strain colonies grown in the presence of the test product

## Compatibility with the skin microbiome

Multifunctionals	Evaluation	Interpretation
Cosphaderm® Zinc Lactate natural	1.94	Good
Cosphaderm® Magnolia Extract 98	1.50	Very good
Cosphaderm® Sodium LAAS	1.66	Good
Cosphaderm® Capo	1.63	Good
Control formulation without antimicrobial ingredients	1.19	Very good

Very good compatibility 1.0 - 1.5      Good compatibility 1.5 - 2.0      Restricted compatibility > 2.0

According to the results, all of the tested Multifunctionals demonstrated good or even very good compatibility. They are therefore an excellent choice for

protecting cosmetic products against pathogenic germs while maintaining the healthy balance of the skin microbiome.

## DID YOU KNOW?

### CHALLENGE TESTS

A modern cosmetic formulation must meet the high demands of consumers and satisfy the requirements of microbiological stability at the same time.

This stability can be threatened by microbiological contamination, which on the one hand can take place during the product's manufacturing process, but on the other is mainly brought about by consumers themselves, such as by dipping their fingers in creams. To prevent contamination and ensure preservation, a Preservative Efficacy Test is mandatory for the approval of cosmetic products. Cosphatec, in partnership with external microbiology laboratories, offers performance and interpretation

of the most commonly used methods for Preservative Efficacy Tests. The choice of test depends on individual factors.

For further information on the methods and ordering the challenge test online, scan here:



[cospatec.com/testing-of-microbial-stability](https://cospatec.com/testing-of-microbial-stability)

# TRENDS

A certain megatrend is cropping up in more and more areas of everyday life: conscious consumption. Critical media reports and numerous scandals have brought substances such as parabens, paraffins, fragrances and microplastics into public awareness. In addition, the pressure on the cosmetic industry is rising due to social media and its over 4.6 billion global users. Viral trends are influencing consumer behaviour across all age groups. It is therefore no wonder that product ingredients are now being scrutinised more than ever.

Whether it's active ingredients, application methods, or formulations – many trends reveal a desire for clean, effective and harmless formulas. This is especially obvious from the “clean beauty” supertrend, which calls for products of primarily natural origin without specific critical ingredients. Our product portfolio therefore consists of natural, vegan, and harmless ingredients.

## WE LOOKED AT THREE OF THE TOP TRENDS:

### #TREND 1: WATER-FREE PRODUCTS

Water-free cosmetics, also called solid cosmetics, refers to products that are formulated almost entirely without water. Water-free products are designed with high efficiency in mind – in fluids the water is replaced by oils, or left out for solid or powdery consistencies. This also makes them handy and practical for travel. The main priority is sustainability: energy and drinking water consumption is reduced, along with the consumption of resources used for packaging and transport.

Discover our powder shampoo frame formulation now:



[cospatec.com/powdershampoo](https://cospatec.com/powdershampoo)

### #TREND 2: SCALP CARE

Instead of just taking care of the hair, scalp care targets its nutrient base: the scalp. Scalp massage devices, scalp serums or exfoliation products are now taking centre stage. Environmental impact and skin condition are key when choosing the right treatment. Since the scalp fulfills a protective function for the body, influences our sensory perception and regulates body temperature, caring for it has effects on our entire well-being.

Discover our scalp peeling frame formulation now:



[cospatec.com/scalppeeling](https://cospatec.com/scalppeeling)



## #TREND 3: LESS IS MORE

In our daily physical care, we often use products containing up to 30 substances. Due to widespread multilayering, the total number of ingredients can quickly add up to more than 100. This can rapidly over-treat our skin – and is now giving rise to a huge countertrend: minimalism in skincare and a reduction of care products to the essentials. Fewer ingredients means that these now have to be selected with even greater care and consideration. This is where Multifunctionals can fully play to their strengths. If individual raw materials cover several functions at the same time, the number of ingredients can be reduced while maintaining full performance.

Discover our range of Multifunctionals for your own less-is-more formulation here:  
[cosphtec.com/products](https://cosphtec.com/products)



### ORGANIC ACIDS & THEIR SALTS

- › pH-regulating
- › Skin-conditioning
- › Antimicrobial and masking

### DIOLS

- › pH-independent antimicrobial properties
- › Solubilisers for lipophilic raw materials
- › Emulsion-stabilising

### CHELATORS

- › Boosters for preservation systems
- › Raw materials such as Cosphaderm® CHA and Cosphaderm® PA ECONAT have a softening effect on water and protect the emulsion from oxidation

### ACTIVES

- › Antioxidants such as tocopherols protect the product and the skin
- › Sodium hyaluronate is a well-known anti-ageing active and can also regulate viscosity
- › Cosphaderm® Magnolia Extract 98 has an antimicrobial effect and is additionally effective against bacteria associated with acne

### EMULSIFIERS

- › Lecithins are ideal emulsifiers and co-emulsifiers
- › Their “natural skin” phospholipids have particularly good conditioning and hydrating properties
- › Lecithins are also suitable for haircare, depending on their pH value
- › Cosphaderm® GMCY is surface-active: in addition to its function as an emollient it has co-emulsifying and antimicrobial properties

### THICKENING AGENTS

- › Xanthan gum thickens the water phase
- › It regulates the consistency of the formulation and is emulsion-stabilising – preventing coalescence of the oil drops
- › Thickeners can have foam-stabilising, particle-suspending and film-forming effects

**ACTIVES  
AND  
ADDITIVES**

**FAT  
PHASE**

**WATER  
PHASE**

# NEW PRODUCT

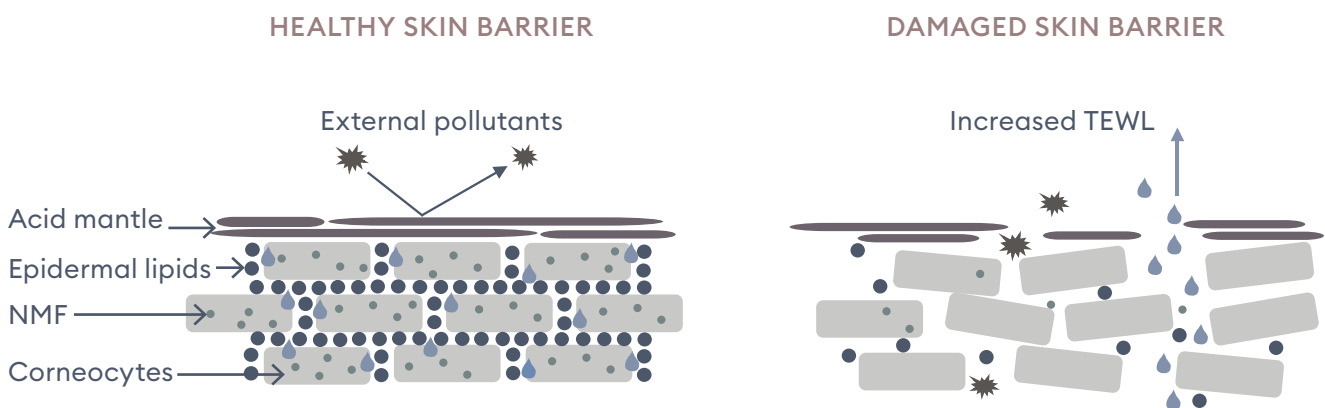
## **COSPHADERM® ABSOLUTE – AN INNOVATIVE, WATER ACTIVITY-REDUCING BLEND FOR COSMETIC FORMULATIONS**

Cosphaderm® Absolute is a blend of three established humectant actives in optimally aligned concentrations. Using Cosphaderm® Absolute helps to hydrate the skin and improve the skin's barrier function while reducing the water activity of a formulation. The lower the water activity of a formulation, the less antimicrobials need to be used for preservation.

With sodium lactate and betaine, Cosphaderm® Absolute provides two skin-own substances of the natural moisturizing factors (NMF), which ensure the maintenance of the moisture content in the skin. In addition to its solubilizing function, the multifunctional propanediol promotes the moisturizing effect of the blend. The three substances share a strong hygroscopicity, which lowers the water activity and thus the availability of water for microorganisms at the recommended use concentrations. Thus, the natural blend combines a safe antimicrobial mode of action with skin barrier-enhancing properties, providing an innovative, alternative preservation strategy that meets market needs and current trends of the cosmetics industry.

## **STRENGTHENING THE SKIN BARRIER**

Due to its special structure, on the one hand a healthy skin barrier protects the body from uncontrolled water loss, and on the other hand, from environmental influences that pose a hazard to health. A sufficient moisture content is essential for the functionality of the skin barrier and thus for healthy, well-cared skin.



The skin barrier enhancing effect of Cosphaderm® Absolute was demonstrated in a vehicle-controlled study with 14 volunteers. After two weeks of using a basic O/W emulsion with 20% Cosphaderm® Absolute twice daily, skin hydration improved by 45.6%. In addition, transepidermal water loss (TEWL), one of the key parameters used to assess the skin barrier, was reduced by 11.4%.



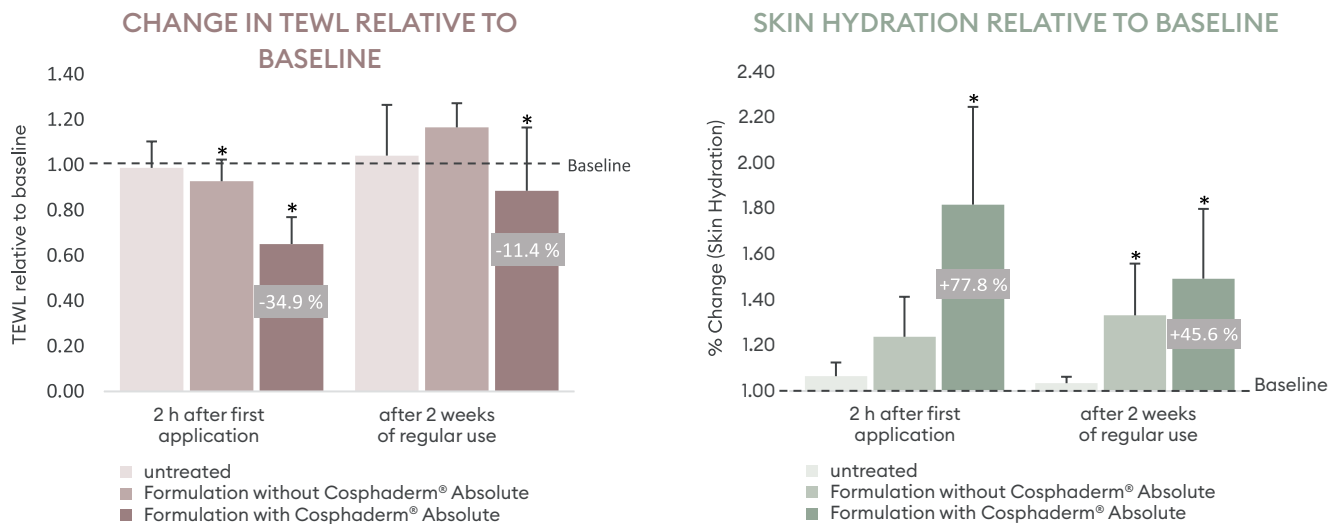


Fig. 1: Vehicle-controlled subject study on the influence of Cosphaderm® Absolute on the skin barrier.  
 \* = statistically significant (vs. untreated); p-value ≤ 0.05; error bars indicate the standard deviation of the mean

## ANTIMICROBIAL EFFECT THANKS TO WATER ACTIVITY REDUCTION

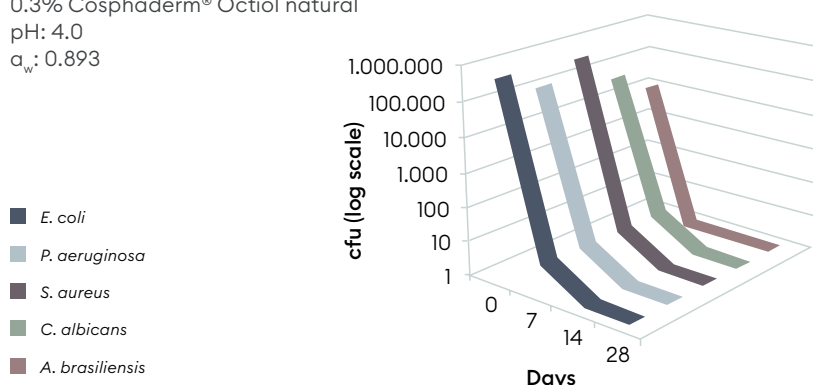
Unlike the water content of a formulation, which specifies the total volume of water including molecularly bound water, water activity ( $a_w$ ) is a measure of the “free”, unbound water within a product. This unbound water is freely accessible for microorganisms and they can use it for reproduction. Conversely, restricting the availability of unbound water causes deterioration of microbial growth conditions.

Pure water has an  $a_w$  value of 1. Adding small, hydrophilic molecules binds water on the basis of intermolecular interactions and reduces the  $a_w$  value accordingly. In order to reduce the  $a_w$  value of a skincare emulsion to such an extent that microorganisms are impaired in their ability to grow, high amounts of water-binding substances are needed. However, such high amounts exceed the recommended concentrations of individual ingredients and can have a negative impact on the formulation’s sensory properties. Cosphaderm® Absolute contains a combination of the substances sodium lactate, propanediol and betaine in an ideally tuned ratio. As a result, using this blend creates stable formulations with efficient  $a_w$  reduction and excellent skin sensation.

The antimicrobial effect of Cosphaderm® Absolute has been proven in numerous challenge tests. It can be excellently combined with other Cosphaderm® Multifunctionals, guaranteeing mild and skin-friendly, yet remarkably good antimicrobial protection for formulations. Here you can see an example of the excellent results obtained in a challenge test:

### Leave-In Hair Cream

20.0% Cosphaderm® Absolute  
 0.3% Cosphaderm® Octiol natural  
 pH: 4.0  
 $a_w$ : 0.893



Here you can find further information about the challenge tests with Cosphaderm® Absolute and details of the study:



[cospatec.com/highlights](https://cospatec.com/highlights)

# PRODUCTS

## NATURAL MULTIFUNCTIONALS

Our most popular products and the raw materials we love the most are 100 % natural and sustainably sourced, as well as biodegradable and compliant with various eco labels. Cosphaderm® Natural Multifunctionals have strong antimicrobial activity and provide microbial stability for all kinds of personal care applications. Although they are not listed as preservatives according to the EU Cosmetics Regulation, 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	Efficacy spectrum				Rec. conc. [%]
				Bacteria	Yeasts	Moulds	pH-range	
Cosphaderm® LA-T	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® CA natural	Cinnamic Acid	✓	✓	○	●	●	< 6.0	0.1 - 0.2
Cosphaderm® Propanediol natural	Propanediol	✓	✓	●	●	●	pH ind.	1.0 - 5.0
Cosphaderm® Pentiol natural	Pentylene Glycol	✓	✓	●	●	●	pH ind.	1.0 - 3.0
NEW Cosphaderm® Heptiol natural	1,2-Heptanediol	✓	✓	●	●	●	pH ind.	0.8 - 1.0
NEW 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® 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® Pocal	Propanediol, Caprylyl Glycol, Caprylhydroxamic Acid	—	✓	●	●	●	4.0 - 7.5	0.8 - 1.5
Cosphaderm® Capo	Caprylyl Glycol, Propanediol	✓	✓	●	●	●	pH ind.	0.6 - 1.0
Cosphaderm® CHA	Caprylhydroxamic Acid	—	✓	●	●	●	4.0 - 7.5	0.05 - 0.3

## MULTIFUNCTIONALS

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

Replace listed preservatives or boost any preservative system by benefiting from the strong antimicrobial activity these raw materials provide.

Name	INCI-Name	COSMOS	NATRUE	Efficacy spectrum				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.	0.5 - 1.5
Cosphaderm® Octiol	Caprylyl Glycol	—	—	●	●	◐	pH ind.	0.3 - 0.5
Cosphaderm® PhP	Phenylpropanol	—	—	◐	◐	●	pH ind.	0.1 - 0.3
Cosphaderm® POP	Propanediol, Caprylyl Glycol, Phenylpropanol	—	—	●	●	●	pH ind.	0.8 - 1.2
Cosphaderm® Dicapo	Caprylyl Glycol, Glyceryl Caprylate, Dipropylene Glycol	—	—	●	●	●	3.5 - 7.5	0.7 - 1.0

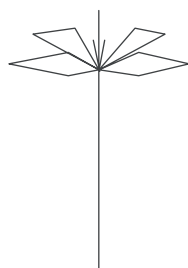
## PRESERVATIVES

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

Choose our Cosphagard® line 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	Efficacy spectrum				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® Cap	Phenoxyethanol, Caprylyl Glycol	—	—	●	●	●	pH ind.	0.8 - 1.1

● strong   ◐ moderate   ○ weak





## ANTIOXIDANTS

Our Cosphaderm® Tocopherols are known as the most powerful natural antioxidants, thanks to their effective blend of alpha, beta, gamma and delta-tocopherols. All of them are naturally sourced and especially the ECO qualities, diluted in organic sunflower oil, are the first choice for formulators.



Add our Cosphaderm® AP to boost the antioxidant effect for even greater stability.

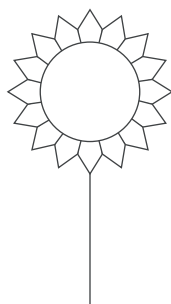
Name	INCI-Name	COSMOS	NATRUE	Source	Function	Rec. conc. [%]
Cosphaderm® T-50 NON GMO ECO	Tocopherol, Helianthus Annuus Seed Oil	✓	✓	Soy, Sunflower	Antioxidant, Product protection	0.07 - 0.3
Cosphaderm® T-70 NON GMO	Tocopherol, Helianthus Annuus Seed Oil	—	—	Soy, Sunflower	Antioxidant, Product protection	0.05 - 0.2
Cosphaderm® T-70 NON GMO ECO	Tocopherol, Helianthus Annuus Seed Oil	✓	✓	Soy, Sunflower	Antioxidant, Product protection	0.05 - 0.2
Cosphaderm® T-70 NON GMO Soy	Tocopherol, Glycine Soja Oil	—	—	Soy	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

## NATURAL EMULSIFIERS AND EMOLLIENTS

The wide selection of Cosphaderm® Lecithins offers the most natural form of skin care. Their 100 % natural phospholipids offer a broad range of positive functions. Formulators use them for sensory enhancement, to form liposomes as hair or skin care agents or as elegant co-emulsifiers.

Substitute silicone oils naturally with our light, fast-spreading Cosphaderm® Feel.

Name	INCI-Name	COSMOS	NATRUE	Source	Function	Rec. conc. [%]
Cosphaderm® E NGM	Lysolecithin	—	—	Soy	Emulsifying, Skin conditioning	1.0 - 5.0
Cosphaderm® E 100 E IP	Lysolecithin	—	—	Soy	Emulsifying, Skin conditioning	1.0 - 4.0
 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
 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 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 with exceptional rheologic properties. Cosphaderm® Xanthan Gums have an excellent impact on sensory profiles without feeling sticky.

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® X 7	Xanthan Gum	✓	✓	Corn	Emulsion stabilising, Viscosity controlling	0.1 - 1.0
VEGAN	Cosphaderm® X 24	Xanthan Gum	✓	✓	Corn	Emulsion stabilising, Viscosity controlling	0.1 - 1.0
VEGAN	Cosphaderm® X 34	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

## ACTIVES

Our Cosphaderm® Actives satisfy the requirements of formulators and marketers alike: they are highly effective and offer outstanding functionality, such as anti-aging, antioxidant, skin conditioning, moisturising and warming effects. 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. [%]
	Cosphaderm® EGCg ECONAT	Camellia Sinensis Leaf Extract	✓	✓	Camellia Sinensis	Anti-pollution, Antioxidant, UV-absorber, Radical scavenger	0.05 - 0.1
	Cosphaderm® Sodium Hyaluronate low 5	Sodium Hyaluronate	✓	✓	Corn, Soy	Humectant, Moisturiser for deeper skin layers, Anti-aging	0.05 - 0.1
	Cosphaderm® Sodium Hyaluronate low	Sodium Hyaluronate	✓	✓	Corn, Soy	Humectant, Anti-aging, Skin conditioning	0.1 - 0.2
	Cosphaderm® Sodium Hyaluronate	Sodium Hyaluronate	✓	✓	Corn, Soy, Sugar cane, Wheat	Humectant, Skin conditioning	0.1 - 0.3
	Cosphaderm® Sodium Hyaluronate high	Sodium Hyaluronate	✓	✓	Corn, Soy	Moisturising film former, Skin conditioning, Viscosity controlling	0.1 - 0.3
	Cosphaderm® VBE	Vanillyl Butyl Ether	—	—	Synthetic	Warming, Hair conditioning, Skin conditioning	0.1 - 0.3
	Cosphaderm® E-1000 NON GMO	Tocopherol, Helianthus Annuus Seed Oil	—	—	Soy, Sunflower	Antioxidant, Anti-aging, Radical scavenger	0.1 - 0.5
	Cosphaderm® E-1000 Sunflower	Tocopherol, Helianthus Annuus Seed Oil	✓	✓	Sunflower	Antioxidant, Anti-aging, Radical scavenger	0.1 - 0.5
	Cosphaderm® E-1000Ac NON GMO	Tocopheryl Acetate, Helianthus Annuus Seed Oil	—	—	Soy, Sunflower	Antioxidant, Anti-aging, Radical scavenger, Skin conditioning	0.5 - 1.0
	Cosphaderm® PA ECONAT	Phytic Acid, Aqua	✓	✓	Corn, Rice	Chelating	0.1 - 0.3
	Cosphagard® SA natural	Salicylic Acid	✓	✓	Wintergreen	Keratolytic, Anti-seborrheic, Preservative	max. 3.0*
NEW	Cosphaderm® Absolute	Propanediol, Sodium Lactate, Betaine, Aqua	✓	✓	Oil palm, Corn, Sugar beets	Humectant, Skin conditioning, Water activity reducing, Antimicrobial	10.0 - 20.0

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

# SERVICES &

We invest a lot of energy and passion in our high-quality, natural products. Your trust in Cosphatec is at least as important to us. Therefore, it is only natural for us to share our many years of experience with you, and the expertise in handling natural raw ingredients we have acquired as a result. Together, we have the ability to replace synthetic or harmful ingredients with natural alternatives. For this purpose, we offer you several learning formats where you can find out more about our products and natural stabilisation.

## VOICES OF THE WEBINAR PARTICIPANTS:

*"excellent webinar"*

*"Concrete information in a pleasant length – that's exactly how I like to get the knowledge across"*

*"informative, friendly and professional"*

Register  
now

## WEBINARS

Find out more about alternative preservation, our latest products, their practical uses, and other topics from the world of Cosphatec. In our free and interactive webinars, our experts will provide you with genuine specialist knowledge. All participants will have the opportunity to ask their own questions, e.g. regarding specific application cases.

Sign up at:  
[cospbatec.com/webinars](https://cospbatec.com/webinars)





# TRAININGS

## WORKSHOPS

Are you constantly faced with the challenging task of finding the right preservation strategy for a cosmetics product? In our workshops, we offer you the chance to get to know our natural products to the maximum possible extent and in depth. Whether in your own laboratory or at our premises, our experts from Research and Development will show you the best methods for balancing your formulations. The content of the workshop is individually tailored to your wishes and goals.

Are you interested in taking part in a workshop with a steep learning curve? Send us a no-obligations query now: [info@cosphatec.com](mailto:info@cosphatec.com).



## VIDEOS

Our videos provide you with information and inspiration in just a few minutes. Simple instructions and clever formulations interspersed with quick facts for easy applicability – we grant you a peek behind the scenes in our lab. Is there a specific topic you would like us to report about? No problem – just send us an email to [marketing@cosphatec.com](mailto:marketing@cosphatec.com).

Discover our video series now:  
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# QUALITY

All our raw materials and products pass through extensive tests before they are processed and sold. In addition to standard analyses, such as purity and content analyses, we can also fulfil individual analysis requests. All tests are carried out using validated, highly sensitive methods. By additionally contracting selected, accredited special laboratories, we can reliably exclude a wide range of contaminants and guarantee the best product quality for our customers.



Our quality management system is certified by TÜV Rheinland according to ISO 9001/2015 and as such verifiably fulfils the high demands of our customers on our products and services.





# CODE OF CONDUCT

## **PROTECTING HUMAN RIGHTS**

Protecting human rights is of the highest importance for us, for example by rejecting forced labour, child labour, exploitation, human trafficking, discrimination and deprivation of liberty. We stand for security and physical integrity, for freedom of thought, conscience and religion, for the right to freedom of expression and for freedom of association and assembly. In this context we take a stand for diversity and reject any form of discrimination, bullying, sexual harassment or coercion.

## **APPRECIATION AND MOTIVATION**

Another important theme for us is health and safety in the workplace. We take numerous measures to protect the physical well-being of all employees, service providers and partners. In addition, we offer a high level of workplace flexibility, which includes remote working, flexible working hours and part-time working. Employment contracts are formulated in a fair way, and we either avoid the need for overtime or recompense it.

## **RESPONSIBILITY FOR PEOPLE AND NATURE**

Naturally, we comply with environmental laws, but we also go significantly further in many areas. We are committed to supporting biodiversity and focus on products made from renewable raw materials with the COSMOS, NATRUE, RSPO and Bio certifications. We organise our daily work according to eco-friendly criteria. We are committed to always dealing with our partners, customers, suppliers and service providers in a fair, solution-based and trusting manner and in a spirit of partnership. We are therefore unequivocally opposed to price dumping, fraudulent activities, corruption and dishonest conduct, as well as to playing one party off against the other.

## **ENSURING QUALITY AND KEEPING INFORMATION SECURE**

To ensure product safety and quality, we work with a comprehensive quality management system. For example, Cosphatec has its own laboratory with extensive analysis capabilities that exceed market standards. Cosphatec is continuously changing. Which is why we ensure cross-organisational sensitivity for the values we have set down in the Cosphatec Code of Conduct.



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