

Naturals

Understanding
natural ingredients
has just become
naturally easier



NUTRITION • HEALTH • BIOSCIENCE



The power of natural Personal Care ingredients

Consumer demand for natural products is increasing at a strong pace. Over the years, DSM has responded to this demand by building a broad and varied portfolio of natural products from certified organic ingredients like the ALPAFLOR® range, natural ingredients such as PENTAVITIN® and others of natural origin, complying with ISO 16128.

Increasingly, natural and organic product features are among the most desired by consumers, especially women.

- In the UK, half of consumers who purchased beauty products in the last year sought products made with natural ingredients.
- A third of consumers using facial skincare products in the US purchased products with natural ingredients.
- In China, 45% of female consumers using facial skincare plan to use products derived from natural ingredients or herbs to improve their skin.¹

Consumer goods companies answered this demand by launching new products with natural ingredients and claims at an increasing pace:

- Globally, the number of products launched with natural claims on pack grew by over 40% in the past 5 years²
- 63% of facial care launches in the past 5 years carry natural claims on pack²

In order to address these needs, and to better enable serving consumers focused on natural Personal Care products, DSM has developed a two-fold solution:

1. We are formalizing and explicating our DSM Naturals product portfolio, organizing them following an intuitive classification of raw materials.
2. We've designed a simple icon system in which each DSM Naturals product is clearly marked with the relevant DSM label to visibly show to which group of Naturals it belongs, creating a clear cue for consumers and a clear link to our values.

■ **DSM PERSONAL CARE OFFERS MORE THAN 55 INGREDIENTS THAT ARE OF NATURAL ORIGIN (INCLUDING NATURAL AND ORGANIC PRODUCTS).**³

■ **MORE THAN 45% OF THE DSM PERSONAL CARE PORTFOLIO IS OF NATURAL ORIGIN.**³

■ **70% OF SKIN CARE ACTIVES HAVE A NATURAL ORIGIN CONTENT ABOVE 90%.**

¹ UK/US/China - Mintel Lightspeed and Mintel KuRunData, 2017

² Mintel GNPD database, past 5 years ending December 2017

³ DSM defines natural origin products according to the ISO 16128, with a score above 60% (mixes) or with an index of 0.6 or above (pure compounds), coupled with additional requirements, i.e. the exclusion of all products where the active part is not fully of natural origin and of all products manufactured with an extract of an animal body.



Unleashing the potential of natural raw materials

Using our unique brand of Bright Science, DSM understands and unleashes the potential of a wide variety of natural raw materials, defined in a user-friendly, intuitive manner.



Edible vegetables: Edible vegetables are well-known, safe ingredients that provide key nutrients to the body and benefits to the skin. For example, rice, soy and wheat germ deliver beneficial natural protein and/or natural peptide content. Similarly, the watermelon extract in our PEPHA®-PROTECT is derived from a special kind of watermelon whose species originated from the Kalahari desert (*Citrullus lanatus*): applied topically, it protects important cellular structures such as DNA.



Herbs: Our herb extracts offer high-performing, organic bioactives cultivated at high altitude in the Swiss Mountains. For example, our carefully selected varieties of ALPAFLOR® EDELWEISS flowers have a high content of skin actives like leontopodic acid, a powerful antioxidant and a potent skin carrier enhancer.



Natural Oils: Argan, sunflower, soy and sesame oils are some of the most traditional and well-known sources of beneficial compounds like unsaturated fatty acids and unsaponifiables. For example, REGU®-SEB obtained from the Argan tree, sesame and saw palmetto gives effective, long-term regulation and control of sebum production, based on 5α-reductase inhibition.



Marine / algae: More than 70% of the earth is covered by water. This provides rich resources to produce bioactive compounds. For example, our PEPHA®-AGE *Scenedesmus rubescens* belongs to the genus *Scenedesmus* which is known for its unique self-protection capabilities: applied topically, it defends against external stressors such as blue light and UV light.



Silk: Traditional and precious Silk-derived cocoon protein SERICIN enhances skin with a shimmering, silk-like appearance and also offers smoothing and moisturizing benefits.



Yeast and fermentation: Fermentation is perhaps the most ancient process mankind has ever used; preparations from yeast have long been used for cosmetic purposes. DSM's portfolio includes a number of products that leverage this time-honored production process, like ERYTHRULOSE, that leads to a deep, even and natural long-lasting tan without streaks, while avoiding skin dryness.



Minerals: Silica and Titanium Oxide minerals are found in nature and can be used as versatile ingredients as well as filters for UV protection. For example, our PARSOL® TX leverages titanium dioxide to create a UVB filter that also contributes significant UVA protection.



Transparency and simple communication on Naturals

DSM is committed to transparency, confirmed by our development of a new and simple icon system applied to each of our natural ingredients. In creating these designations, DSM is also leveraging the new ISO 16128 standard to set the right standards and to bring clarity and validation to the definition of naturals.

DSM's research shows that, while there is growing interest in "natural" and related products among consumers, there's also substantial confusion about what "natural" really means. There are known certification programs, and people do look for and use those logos to guide decisions, but how those relate to each other and to "natural" is often unclear.

DSM now offers a solution that removes ambiguity for consumers and shows exactly what natural means to DSM, while also leveraging the new ISO 16128 standard. We've designed a simple icon system in which each DSM Naturals product is clearly marked with the relevant DSM label to visibly show to which group of Naturals it belongs.



Natural origin

Ingredients with a ISO 16128 natural origin score of 60% or above.



Verified natural

Complies to Ecocert, Cosmos, or Natrue standards.



Certified organic

Certified Organic according to Ecocert / Cosmos / Natrue standards.

Under the natural-origin icon, we clustered products based on the ISO 16128 standard calculation, with a score above 60% (mixes) or with an index of 0.6 or above (pure compounds), coupled with additional requirements, i.e. we excluded all products where the active part is not of natural origin and all products obtained from the body of animals.

DSM defines natural origin products according to the ISO 16128, with a score above 60% (mixes) or with an index of 0.6 or above (pure compounds), coupled with additional requirements, i.e. the exclusion of all products where the active part is not fully of natural origin and of all products manufactured with an extract of an animal body.

The new standard ISO 16128, which focuses on technical definitions and criteria for natural and organic ingredients was launched in September 2017 and still allows for multiple interpretations. To overcome that, a working group, of which DSM Personal Care is a part, led by the European organization FEBEA, is working in 2018 on a technical report. This report should finally be discussed and approved by the ISO committee. In the meantime, according to our best knowledge and understanding of the standard, we calculated the ratings for our Personal Care products.



Mastering a sustainable production process

DSM masters several production processes for delivering natural or natural-origin products:

Extraction

Sustainable, state-of-the-art extraction processes.

Different extraction processes to adapt to various raw materials, such as:

- **GENTLE EXTRACTION WITH ORGANIC, RENEWABLE SOLVENT FOR HYDROSOLUBLE ACTIVES** (E.G., FOR ALPAFLOR® PRODUCTS).
- **EXTRACTION WITH A LARGE RANGE OF SOLVENT FOLLOWING THE GREEN CHEMISTRY PRINCIPLES** (E.G., FOR VITAMINS).
- **CO₂ EXTRACTION FOR APOLAR COMPOUNDS, SUCH AS OIL AND WAX** (E.G., STIMU®-TEX AS).

Fermentation / Biotechnology

Nature and technology are not mutually exclusive; in fact, they find harmony in our specialized production processes. Biotechnology generates products with very positive sustainability profiles and high purity and safety standards. It protects the environment through lower consumption of chemicals and organic solvents, high biodegradability of output compounds, avoidance of pollution and avoidance of plant monocultivation or extensive harvesting of wildlife material. DSM has biotechnological production processes that deliver products with natural fermentation, with a highly sustainable, high yield output, that fulfill the ISO 16128 requirement to be natural or natural-origin materials.

DSM's processes deliver ingredients with high purity, backed by safety and efficacy data.

Appearance

Skin aging prevention & rejuvenation

Protects skin from premature skin aging, helps reverse the visible signs of accelerated aging caused by external and internal factors.

Product Name DSM Code	Origin	INCI Name (Active)	Description
 Edible vegetables			
COLHIBIN CB 5038462 	Rice	Hydrolyzed Rice Protein	Highly concentrated mixture of natural peptides with low molecular weights, extracted from edible rice protein, helps to delay the signs of time, reduces skin roughness and protects skin from unscheduled collagen degradation by inhibiting MMP 1, effective solution for healthy-looking hair.
ELHIBIN® PF 5033551 	Soy	Glycine Soja (Soybean) Protein, Valine, Glycine	Purified soy bean peptide fraction, inhibits leukocyte and fibroblast elastase, prevents irritation and inflammation of skin, maintains skin elasticity, moisturizes the skin. <i>Contains phenoxyethanol, sodium benzoate, and potassium sorbate.</i>
PEPHA®-PROTECT 5035848 	Water-melon	Citrullus Lanatus (Watermelon) Fruit Extract, Citrulline	Unique highly purified <i>Citrullus lanatus</i> extract with high concentration of compatible solutes. Strengthens skin's own cell regeneration ability and helps to protect from DNA damage. <i>Contains phenoxyethanol, sodium benzoate, and potassium sorbate.</i>
PREREGEN® PF 5038289 	Soy/yeast	Glycine Soja (Soybean) Protein, Superoxide Dismutase	A unique complex with free radical neutralizing, elastase-inhibiting properties and anti-ozone activity. Protects from pollution. <i>Contains phenoxyethanol, sodium benzoate, and potassium sorbate.</i>
REGU®-AGE PF 5038277 	Rice/soy/yeast	Hydrolyzed Rice Protein, Glycine Soja (Soybean) Protein, Superoxide Dismutase	A unique complex that protects and strengthens the delicate skin under the eyes. It visibly reduces the appearance of under-eye dark circle and eye puffiness. Clinical studies confirm an improvement of the skin texture by more than 30% in only 4 weeks. <i>Contains phenoxyethanol, sodium benzoate, and potassium sorbate.</i>
 Herbs			
ALPAFLOR® ARTEMISIA AO 5037484  	Genepi	Artemisia Umbelliformis Flower Extract	Natural antioxidative and radical scavenging activity for any anti-aging care.
ALPAFLOR® BUDDLEJA AO 5037468  	Buddleja	Buddleja Davidii Leaf Extract	Natural DNA bodyguard and skin regenerator. <i>Contains potassium sorbate and sodium benzoate.</i>
ALPAFLOR® IMPERATORIA AO 5037530  	Masterwort	Peucedanum Ostruthium Leaf Extract	Natural reepithelialization care, supported by <i>in vitro</i> proven accelerated wound healing activity. <i>Contains potassium sorbate and sodium benzoate.</i>
ALPAFLOR® SAMBUCUS AO 5037514  	Elderflower	Sambucus Nigra Flower Extract	Natural astringent solution for skin fitness, through <i>in vitro</i> proven reduction of VEGF biosynthesis. <i>Contains potassium sorbate and sodium benzoate.</i>

Appearance

Product Name DSM Code	Origin	INCI Name (Active)	Description
 Natural oils			
D-α-Tocopheryl Acetate 0486574 	Soy	Tocopheryl acetate	Vitamin E acetate, a building block in cosmetic formulations, with proven antioxidant effects, moisturization enhancement, skin barrier strengthening and ability to counteract the appearance of inflammation linked to oxidative processes.
Mixed Tocopherols 95 5002893 	Soy	Tocopherol	Soy-derived, natural-origin Vitamin E. Strong antioxidant, capturing free oxygen radicals generated by exposure to UV-light or pollution and preventing further damage.
life's™ GLA '10' n-6 Oil 0422398 	Evening primrose	Oenothera biennis seed extract	Prepared by extraction of oil from seeds of the oenothera plant evening primrose (9% GLA). Naturally rich in polyunsaturated fatty acids with a high GLA content, for a younger and smoother appearance of the skin.
life's™ GLA '25' n-6 Oil 5008549 	Borage	Borago officinalis seed oil	Prepared by extraction of oil from seeds of the borage plant (23% GLA). Naturally rich in polyunsaturated fatty acids with a high GLA content, for a younger and smoother appearance of the skin.
 Marine / algae			
PEPHA®-AGE CB 5038452 	Scenedesmus	Scenedesmus rubescens extract	Biotechnologically produced from the freshwater micro-algae Scenedesmus rubescens. Thanks to its unique composition of valuable components including algal monosaccharides, trace elements, and vitamins it stimulates skin's own defense against blue light induced premature aging, boosting collagen synthesis and offering an even skin tone.
 Yeast & fermentation			
DISMUTIN® PF 5033764 	Yeast	Superoxide Dismutase	Highly purified yeast CuZnSOD, inactivates free oxygen radicals, minimizes formation of inflammation, protects cell membranes. <i>Contains phenoxyethanol.</i>
PREREGEN® PF 5038289 	Soy/yeast	Glycine Soja (Soybean) Protein, Superoxide Dismutase	A unique complex with free radical neutralizing, elastase-inhibiting properties and anti-ozone activity. Protects from pollution. <i>Contains phenoxyethanol, sodium benzoate, and potassium sorbate.</i>
REGU®-AGE PF 5038277 	Rice/soy/yeast	Hydrolyzed Rice Protein, Glycine Soja (Soybean) Protein, Superoxide Dismutase	A unique complex that protects and strengthens the delicate skin under the eyes. It visibly reduces the appearance of under-eye dark circle and eye puffiness. Clinical studies confirm an improvement of the skin texture by more than 30% in only 4 weeks. <i>Contains phenoxyethanol, sodium benzoate, and potassium sorbate.</i>



Natural origin.
Ingredients with a ISO 16128 natural origin score of 60% or above.



Verified natural.
Complies to Ecocert, Cosmos, or Natrue standards.



Certified organic.
Certified Organic according to Ecocert / Cosmos / Natrue standards.

F Does not contain intentionally added substances regulated/listed as preservative

G  See regulatory status China statement

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Appearance

Skin revitalization & contour remodeling

Energizes skin to enhance its fitness and natural vitality.

Helps lift, firm and tighten skin contour appearance. Ideal for facial and body skin.

Product Name DSM Code	Origin	INCI Name (Active)	Description
 Edible vegetables			
PENTACARE-NA PF 5037719 	Carob/ wheat gluten	Hydrolyzed Wheat Gluten, Ceratonia Siliqua Gum	Mixture of plant galactomannans and hydrolyzed wheat gluten proteins, which forms a visco-elastic film on the skin – the plant based tightener. <i>Contains phenoxyethanol.</i>
REGU®-SLIM 5033918 	Guarana	Caffeine, Paullinia Cupana Seed Extract, Carnitine, Cysteic Acid, Calcium Pantetheine Sulfonate	Patented multi-active body re-shaping and smoothing complex, showing lipolysis stimulation (<i>in vitro</i>) and reducing the appearance of orange peel skin (<i>in vivo</i>).
 Marine / algae			
PEPHA®-CTIVE CB 5038454 	Dunaliella	Dunaliella salina Extract	Biotechnologically produced microalgae extract (Dunaliella salina) protects and stimulates mitochondria by increasing ATP levels. Improves skin radiance.
PEPHA®-TIGHT CB 5038451 	Nanno- chloropsis	Nannochloropsis occulata algae	Based on highly purified biotechnologically produced microalgae (Nannochloropsis occulata), with excellent immediate skin tightening, long-term firming and protection properties.
 Yeast & fermentation			
OXY 229 CB 5038456 	Yeast	Saccharomyces Lysate, Valine, Threonine, Glutamic Acid, Glycine	Contains postbiotics from a specific yeast strain obtained by fermentation, revives dull-looking skin by enhancing oxygen uptake and cell turnover, helps to modulate oily skin and rebalances bacteria potentially involved in facial redness.
REVITALIN® CB 5038464 	Yeast	Glycoproteins, Glutamic Acid, Valine, Threonine	Contains a combination of energy-providing amino acids and postbiotics, produced by fermentation of baker's yeast. It improves skin cell's vitality, providing energized, revitalized skin that looks and feels good all day long.

Appearance

Skin tone, shine control & pore refinement

Reduces skin's excessive sebum production and shrinks the appearance of large pores.

Product Name DSM Code	Origin	INCI Name (Active)	Description
 Herbs			
ALPAFLOR® GIGAWHITE CB 5037298 	Mix of 7 plants	Malva Sylvestris (Mallow) Flower/Leaf/Stem Extract, Alchemilla Vulgaris Flower/Leaf/Stem Extract, Melissa Officinalis Leaf extract, Mentha Piperita (Peppermint) Leaf Extract, Veronica officinalis Flower/Leaf/Stem Extract, Achillea Millefolium Flower/Leaf/Stem Extract, Primula Veris Flower Extract	Organic solution that brightens the skin in a natural way.
ALPAFLOR® ALP®-SEBUM CB 5037861 	Alpine willow herb	Epilobium Fleischeri Flower/Leaf/Stem Extract	Produced from the rare alpine plant, Epilobium fleischeri, organically cultivated according to Bio Suisse standards at altitudes of over 1000m in the Swiss mountains. It is rich in both flavonoids and oenothien B – key compounds that regulate sebum through 5-α-reductase inhibition and anti-inflammatory action. It also helps to reduce sebum over-production by down-regulating Cutibacterium acnes levels – the gatekeeper that can influence sebum production.
 Natural oils			
REGU®-SEB 5033861 	Argan tree /sesame/ saw palmetto	Argania Spinosa Kernel Oil, Serenoa Serrulata Fruit Extract, Sesamum Indicum (Sesame) Seed Oil, β-Sitosterol	Effective long term regulation and control of sebum production, based on 5α-reductase inhibition.
 Yeast & fermentation			
ERYTHRULOSE 5038292 	Fermentation	Erythrulose	Biotechnologically derived, gives a new dimension to your self-tanning products. Leads to a deep, even and natural long-lasting tan without streaks, while avoiding skin dryness. Use in combination with DHA is recommended.



Natural origin.
Ingredients with a ISO 16128 natural origin score of 60% or above.



Verified natural.
Complies to Ecocert, Cosmos, or Natrue standards.



Certified organic.
Certified Organic according to Ecocert / Cosmos / Natrue standards.

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Sensation

Skin barrier protection, sensitivity & comfort, and moisturizing

Product Name DSM Code	Origin	INCI Name (Active)	Description
 Edible vegetables			
CEPHALIPIN NP 2 5033438 	Wheat	Cephalins	Cereal-derived cephalin fraction, contributes to the regeneration of skin lipids, suitable for aftershave formulations. <i>Contains phenoxyethanol.</i>
IRICALMIN PF 5038293 	Wheat/ yeast	Triticum Vulgare (Wheat) Germ Extract, Saccharomyces Cerevisiae Extract, Sodium Hyaluronate, Panthenol	Soothes irritated skin caused by UV and depilation, prevents irritation and inflammation of skin, maintains skin elasticity, moisturizes the skin. <i>Contains phenoxyethanol and sodium metabisulfite.</i>
PENTAVITIN® 5033152 	Maize kernels	Saccharide Isomerate	A 100% natural, super-moisturizer renowned for its moisture-magnet properties. Proven to demonstrate multiple benefits on skin, making it visibly smoother and healthier. It gives 72-hour, long-lasting deep hydration, 3-hour hydration boost to excessively dry skin areas and 28 days of true hydration power to all facial areas. Under washing, and showering conditions it immediately increases skin hydration for 24 hours, meaning an end to skin dryness post-cleansing. Even with frequent showering, PENTAVITIN® helps reinforce the skin's barrier while protecting against dryness.
PHYTALURONATE® PF 5033527 	Carob	Ceratonia Siliqua Gum	Moisturizing and skin-smoothing properties, forms a light, permeable, visco-elastic film, has a high compatibility with raw materials in cosmetic formulations due to its neutral charging, increases water holding capacity. <i>Contains phenoxyethanol.</i>
 Herbs			
ALPAFLOR® EDELWEISS CB 5037860 	Edelweiss	Leontopodium Alpinum Flower/Leaf Extract	<i>In vitro</i> and <i>in vivo</i> supports skin's crucial protective barrier, enhancing its resistance to external stress factors. Helps the skin preserve its natural balance, perceptibly reducing skin sensitivity, for an ultimate skin sensation.
ALPAFLOR® LINUM AO 5037557 	Alpine flax	Linum Alpinum Flower/Leaf/Stem Extract	Swiss Alpine soothing and calming solution for natural cosmetics. <i>Contains potassium sorbate.</i>
ALPAFLOR® MALVA AO 5037549 	Mallow	Malva Sylvestris (Mallow) Flower/Leaf/Stem Extract	Natural moisturizing and soothing of sensitive skin. <i>Contains potassium sorbate and sodium benzoate.</i>
ALPAFLOR® MARRUBIUM AO 5037522 	Hore- hound	Marrubium Flower/Leaf/Stem Extract	Natural solution for sensitive and stressed skin, supported by its <i>in vitro</i> proven reduction of histamine production. <i>Contains potassium sorbate and sodium benzoate.</i>
ALPAFLOR® NECTAPURE PF 5037344 	Thyme/ Buddelja	Buddleja Davidii Leaf Extract, Thymus Vulgaris (Thyme) Flower/Leaf Extract	Natural moisturizing and protective complex against city stress. Enhancement of skin's own antioxidant defense.
ALPAFLOR® SCUTELLARIA CB 5037863 	Alpine skullcap	Scutellaria Alpina Flower/Leaf/Stem Extract	Shows soothing properties and relieves urban stress, offering incomparable skin comfort and healthy looking skin.
 Natural oils			
ARGAN OIL 5038081 	Argan tree	Argania Spinosa Kernel Oil	Highly concentrated in unsaturated fatty acids, tocopherols and polyphenols. Helps to protect and restore skin functions, provides suppleness and softness, for nourishing and protecting formulations.
STIMU-TEX® AS 5017542 	Barley/ argan tree / shea butter	Spent Grain Wax, <i>Butyrospermum Parkii</i> (Shea Butter) Extract, Argania Spinosa Kernel Oil	A unique mixture of high-quality, upcycled spent grain wax, cold-processed argan oil, and shea butter. Relieves sensitive and irritated skin quickly, visibly reduces histamine-related symptoms such as itching. For ultimate skin comfort.

Sensation

Helps regenerate and strengthen skin's natural barrier function. Helps reduce dry skin irritation and discomfort, soothes and calms sensitive skin. Hydrates skin and retains moisture in the short term, and in long-term improves dry skin desquamation and the skin's barrier protection.

Product Name DSM Code	Origin	INCI Name (Active)	Description
 Silk			
SERICIN 5033608 	Silk	Sericin	Sericin from silk, improves skin relief and decreases TEWL. Smoothing and moisturizing activity, film-forming persists even after washing. Leads to a silky skin touch. <i>Contains potassium sorbate.</i>
SETAKOL® PF 5037859 	Silk	Hydrolyzed Sericin	SETAKOL® forms a natural semi-occlusive, protecting film on the surface of skin to reduce TEWL and it has additional soothing activity. <i>Contains phenoxyethanol.</i>
 Yeast & fermentation			
HYALURONIC ACID-BT 5033462 	Bacteria	Sodium Hyaluronate	Binds tremendous amounts of moisture to skin, granting elasticity and suppleness.
HYASOL PF 5038288 	Bacteria	Sodium Hyaluronate	HYASOL PF is an aqueous solution of HYALURONIC-ACID BT. It binds tremendous amounts of moisture to skin and offers outstanding spreading and lubricating properties to your formula. <i>Contains phenoxyethanol.</i>
HYA-ACT™ M 5016528 	Biotech	Sodium Hyaluronate	Hyaluronic Acid with a Medium Molecular Weight (1.0–1.3M Da) provides immediate hydration and strengthens the skin barrier. A single application enhances hydration after just one hour.
HYA-ACT™ S 5016529 	Biotech	Sodium Hyaluronate	Hyaluronic Acid with a Small Molecular Weight (200–400K Da) is the calming hydration boost for thirsty skin. This small molecular weight hyaluronic acid fortifies skin's natural barrier and locks in moisture.
HYA-ACT™ XS 5016530 	Biotech	Hydrolyzed Hyalurnoic Acid	Hyaluronic Acid with a Very Small Molecular Weight (37–56K Da) provides skin with a continuous burst of intense hydration and plumps out fine wrinkles. Skin's elasticity improves after just 15 days.
IRICALMIN® PF 5038293 	Wheat/ yeast	Triticum Vulgare (Wheat) Germ Extract, Saccharomyces Cerevisiae Extract, Sodium Hyaluronate, Panthenol	Soothes irritated skin caused by UV and depilation, prevents irritation and inflammation of skin, maintains skin elasticity, moisturizes the skin. <i>Contains phenoxyethanol and sodium metabisulfite.</i>
LIPOGARD 5038336 	Yeast	Tocopheryl Acetate, Ubiquinone	Oil-soluble free radical scavenger, prevents lipid peroxidation.



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Certified organic.
Certified Organic according to Ecocert / Cosmos / Natrue standards.



Does not contain intentionally added substances regulated/listed as preservative



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Photo-protection and sensory benefits

Mineral raw materials are a natural source for both UV filters and sensory modifiers.

Product Name DSM Code	Origin	INCI Name (Active)	Description
 Minerals			
PARSOL® TX 5003806 	Titanium dioxide	Titanium dioxide	The inorganic UV filter with best formulation compatibility.
PARSOL® ZX 5016338 	Zinc oxide	Zinc oxide	Mineral fusion for broad protection
VALVANCE® Look 100 5015114 	Silica / titanium dioxide	Silica / titanium dioxide	Perfectly balanced composite of silica, microbeads, and TiO ₂ crystals. TiO ₂ for effective concealing and hiding power and round silica beads delivers texture control for good spreading.
VALVANCE® Touch 210 5015112 	Silica	Silica	Powder of porous spherical pure silica microbeads that act as sensory modifiers. Very strong absorption capacity for oil and water, significantly reducing residual oiliness, greasiness and stickiness of formulations.
VALVANCE® Touch 250 5015113 	Silica	Silica	Fine spherical silica beads coated with Methicone for good dispersibility in oils. Provides smooth glide, instant gloss, vibrant colour, soft and pliable lips.



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 naturals from DSM	APPEARANCE			SENSATION	PHOTO-PROTECTION AND SENSORY BENEFITS
	SKIN AGEING PREVENTION & REJUVENATION	SKIN REVITALIZATION & CONTOUR REMODELING	SKIN TONE, SHINE CONTROL & PORE REFINEMENT	SKIN BARRIER PROTECTION, SENSITIVITY & COMFORT AND MOISTURIZING	
Edible vegetables 	COLHIBIN CB Rice 5038862 	PENTACARE-NA PF Carob/wheat gluten 5037719 		CEPHALIPIN NP2 Wheat 5033438 	
	ELHIBIN® PF Soy 5033551 	REGU®-SLIM Guarana 5033918  F G		IRICALMIN PF Wheat/yeast 5038293 	
	PEPHA®-PROTECT Watermelon 5035848 			PENTAVITIN® Maize kernels 5017542  F G H	
	PREREGEN® PF Soy/yeast 5038289 			PHYTALURONATE® PF Carob 5033527 	
	REGU®-AGE PF Rice/soy/yeast 5038277 				
Herbs 	ALPAFLOR® ARTEMISIA AO Genepi 5037484  G H		ALPAFLOR® ALP-SEBUM CB Willow herb 5017861  G H	ALPAFLOR® EDELWEISS CB Edelweiss 5017860  G H	
	ALPAFLOR® BUDDLEJA AO Buddleja 5037468  G H		ALPAFLOR® GIGAWHITE CB Mix of 7 plants 5037862  F G H	ALPAFLOR® LINUM AO Apline flax 5037557  G H	
	ALPAFLOR® EDELWEISS CB Edelweiss 5017860  G H			ALPAFLOR® MALVA AO Mallow 5037549  G H	
	ALPAFLOR® IMPERATORIA AO Masterwort 5037530  G H			ALPAFLOR® MARRUBIUM AO Horehound 5037522  G H	
	ALPAFLOR® SAMBUCUS AO Elderflower 5037514  G H			ALPAFLOR® NECTAPURE PF Thyme/buddleja 5037344  F G H	
				ALPAFLOR® SCUTELLARIA CB Alpine skullcap 5037863  G H	
Natural oils 	BEAUACTIVE® Sunflower  F G H		REGU®-SEB Argan tree/sesame /saw palmetto 5033861  F G	ARGAN OIL Argan tree 5038081  F G H	
	D-alpha-Tocopheryl Acetate Soy 0486574  F G			STIMU-TEX® AS Barley/argan tree /shea butter 5017542  F G H	
	Mixed Tocopherols 95 Soy 5002893  F G				
	life's™GLA '10' n-6 Oil Evening primrose 0422398  F G				
	life's™GLA '25' n-6 Oil Borage 5008549  F G				
Marine / algae 	PEPHA®-AGE CB Scenedesmus 5038452  G H	PEPHA®-CTIVE CB Dunaliella 5038454  G H			
		PEPHA® TIGHT CB Nannochloropsis 5038451  G H			
Silk 				SERICIN Silk 5033608 	
				SETAKOL® PF Silk 5037859 	
Yeast & fermentation 	DISMUTIN® PF Yeast 5033764 	OXY 229 CB Yeast 5038456 	ERYTHRULOSE Fermentation 5038282  F G	HYALURONIC ACID BT Bacteria 5033462  F G H	
	PREREGEN PF Soy/yeast 5038289 	REVITALIN® PF Yeast 5033381 		HYASOL PF Bacteria 5038288  G H	
	REGU®-AGE PF Rice/soy/yeast 5038277 			HYA-ACT™ M Wheat/yeast 5016528  F G	
				HYA-ACT™ S Wheat/yeast 5016529  F G	
				HYA-ACT™ XS Wheat/yeast 5016528  F G	
				IRICALMIN® PF Wheat/yeast 5038293 	
				LIPOGARD Yeast 5038336  F G H	
Minerals 					PARSOL® TX Titanium dioxide 5003806  F G
					PARSOL® ZX Zinc oxide 5016338  F G
					VALVANCE® Look 100 Silica/titanium dioxide 5015114  F G
					VALVANCE® Touch 210 Silica 5015112  F G
					VALVANCE® Touch 250 Silica 5015113  F G



Natural origin.
Ingredients with a ISO 16128 natural origin score of 60% or above.



Verified natural.
Complies to Ecocert, Cosmos, or Natrue standards.



Certified organic.
Certified Organic according to Ecocert / Cosmos / Natrue standards.



Does not contain intentionally added substances regulated/listed as preservative



 See regulatory status China statement



 Halal certified by Halal Food Council of Europe



Halal compliant (porcine and alcohol free, not certified)

DSM defines natural origin products according to the ISO 16128, with a score above 60% (mixes) or with an index of 0.6 or above (pure compounds), coupled with additional requirements, i.e. the exclusion of all products where the active part is not fully of natural origin and of all products manufactured with an extract of an animal body.

The new standard ISO 16128, which focuses on technical definitions and criteria for natural and organic ingredients was launched in September 2017 and still allows for multiple interpretations. To overcome that, a working group, of which DSM Personal Care is a part, led by the European organization FEBEA, is working in 2018 on a technical report. This report should finally be discussed and approved by the ISO committee. In the meantime, according to our best knowledge and understanding of the standard, we calculated the ratings for our Personal Care products.



For more information, please visit www.dsm.com/personal-care

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