

# Care and Color

Our product overview



# Content



## Our products for all branches

Color .....	4	Worlée <b>Color Eco</b> .....	24	Worlée <b>Style Eco</b> .....	38
Skin .....	6	Natural Pigment Dispersions		Hair Styling Product	
Cleansing .....	8	Worlée <b>Jojoba Oil</b> .....	26	Worlée <b>Suspens Eco</b> .....	40
Hair .....	10	Jojoba Oil		Bio-based Suspending Agent	
Sustainable product development .....	12	Worlée <b>Micromer /</b> Worlée <b>Micromer Eco</b> .....	28	Worlée <b>Xtra</b> .....	42
Worlée <b>Aloe</b> .....	14	Film Formers and more		Natural Extracts	
Aloe Vera		Worlée <b>Opac Eco</b> .....	30	Sales .....	44
Worlée <b>Aqua Thix</b> .....	16	Opacifier		Sales organization .....	46
Rheology Modifier/Thickener		Worlée <b>Scrub</b> .....	32		
Worlée <b>Base</b> .....	18	100% Natural Scrubs			
Pigment Dispersions		Worlée <b>Soft Beads</b> .....	34		
Worlée <b>Beads</b> .....	20	Eye-catching Colored Particles			
Gentle Scrubs		Worlée <b>Squalane</b> .....	36		
		Squalane			

## Top-quality raw materials and innovative solutions

“Our raw materials are important building blocks for the success of our customers,” states Reinhold von Eben-Worlée, shareholder of the Worlée Group.

As a supplier, refiner and producer, Worlée supplies customers all over the world with high-quality chemical, natural and cosmetic raw materials. Our drive for increased sustainability, our innovative strength and our creativity in finding individual solutions is what sets us apart from the rest. The highest quality standards, comprehensive technical expertise and an intuitive feel for trends and market developments make us a trustworthy and reliable partner for your success.

Skin-friendly, environmentally friendly, effective, aesthetic – the demands placed on modern cosmetic products are and remain very high. In order to meet the wishes of your end customers we support you in improving existing products, identify trends and to break new ground. With creativity and decades of experience, we develop for you raw materials that are precisely tailored to your product.

Our comprehensive range of products for decorative and skin care cosmetics includes polymer chemical raw materials, among others, pigment dispersions, aloe vera and natural exfoliating exfoliants. Together with a large network of qualified producers and partners we find the perfect building blocks for your cosmetic innovations.

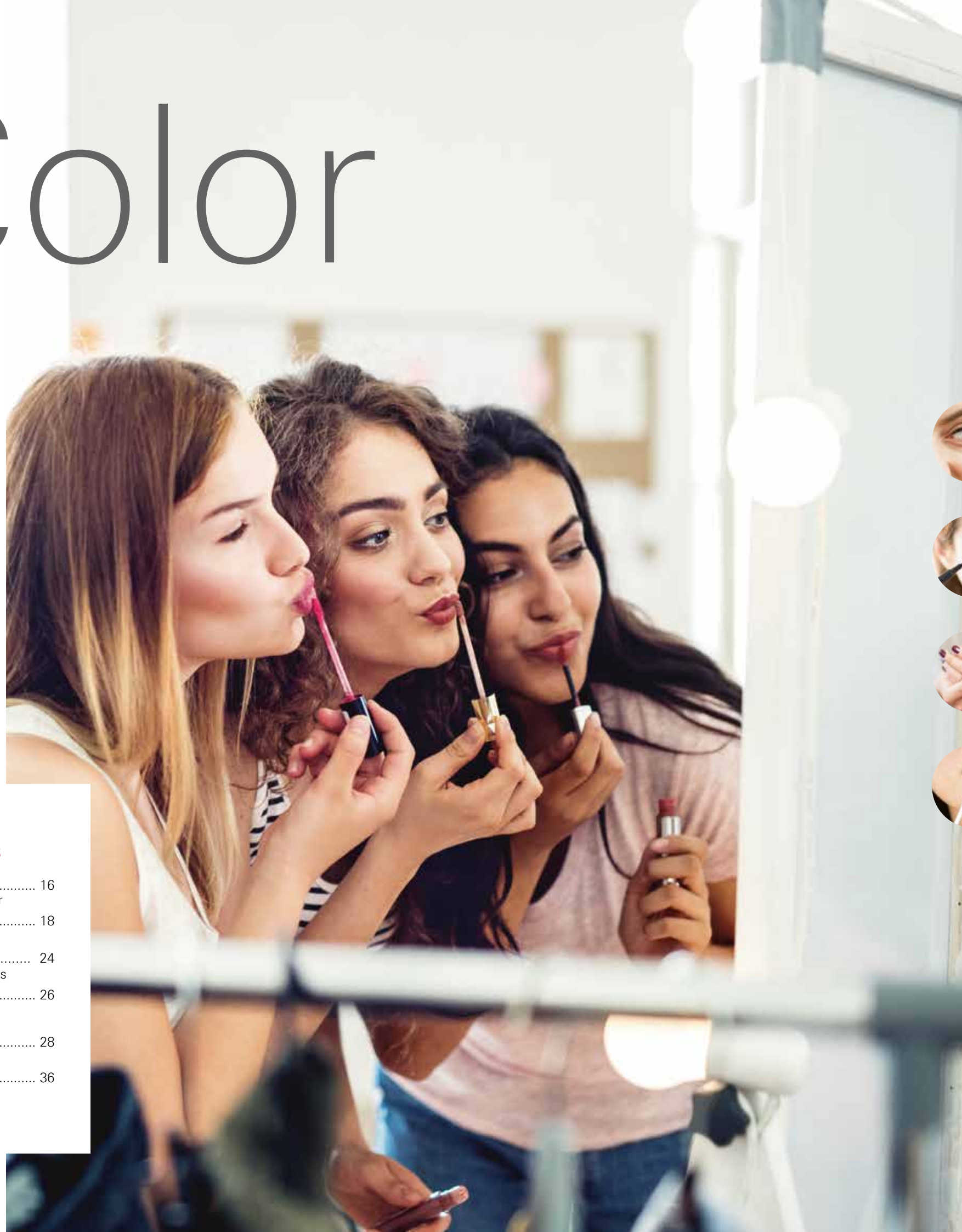
## WORLÉE COSMETIC RAW MATERIALS

### INCI Index

Acrylates Copolymer .....	17
Acrylates Crosspolymer .....	17
Acrylic Acid / Isobutyl Acrylate /	
Isobornyl Acrylate Copolymer .....	27
Algin .....	33
Aloe Barbadensis Leaf Juice .....	15, 33
Aloe Barbadensis Leaf Juice Powder .....	33
Alumina .....	19, 37
Ammonium Acrylates Copolymer .....	19, 27
Barium Sulfate .....	19
Blue 1 Lake .....	23
Caprylic/Capric Triglyceride .....	41
Caprylyl Glycol .....	19
Cellulose .....	21, 33
Cellulose Gum .....	39
Ceteareth-20 .....	29
Charcoal Powder .....	21, 33
CI 15850:1 .....	19
CI 73360 .....	21, 23
CI 74260 .....	33
CI 77007 .....	21, 23, 33
CI 77266 .....	19
CI 77289 .....	21, 23, 33
CI 77491 .....	19, 21, 25, 33
CI 77492 .....	19, 21, 23, 25, 33
CI 77499 .....	19, 21, 23, 25
CI 77510 .....	19, 21, 25
CI 77891 .....	19, 25
Fucus Vesiculosus Extract .....	41
Glycerin .....	39
Helianthus Annuus Seed Oil .....	33
Hydrogenated Castor Oil .....	23
Hydrogenated Dilinoleyl Hydrogenated Dimer Di-	
linoleate/ Stearate .....	27
Hydrogenated Jojoba Oil .....	23
Kaolin .....	33
Magnesium Hydroxide .....	33
Mannitol .....	33
Methylpropanediol .....	19
Microcrystalline Cellulose .....	33
Niacinamide .....	33
Olea Europaea Seed Powder .....	31
Oxidized Rice Bran Wax .....	29
Phenylpropanol .....	19
Potassium Shellac .....	27
Shellac .....	37
Simethicone .....	19
Simmondsia Chinensis Seed Oil .....	27
Sodium Acrylates Copolymer .....	19
Squalane .....	33, 35
Talc .....	21, 23
Titanium Dioxide .....	19, 25
Tocopherol .....	33
Tricalcium Phosphate .....	33
Triethoxycaprylylsilane .....	19
Ubiquinone .....	33
Vaccinium Macrocarpon Fruit Powder .....	33



# Color



## OUR PRODUCTS FOR COLOR COSMETICS

Worlée <b>Aqua Thix</b> .....	16
Rheology Modifier/Thickener	
Worlée <b>Base</b> .....	18
Pigment Dispersions	
Worlée <b>Color Eco</b> .....	24
Natural Pigment Dispersions	
Worlée <b>Jojoba Oil</b> .....	26
Jojoba Oil	
Worlée <b>Micromer</b> / Worlée <b>Micromer Eco</b> .....	28
Film Formers and more	
Worlée <b>Squalane</b> .....	36
Squalane	

## Color Cosmetics

# When new styles set trends



Sense of well-being and embellishment – color cosmetics contributes to make us feel even more comfortable in our bodies. When it comes to products such as lipsticks, foundations or mascara, we now set value at least as much importance on care as on color.

Our extensive product portfolio in the Color segment offers you solutions for both areas. Whether liquid pigment dispersion, thickeners, film formers or raw materials for care support – we supply you the most important modules for the success of your end products.

# Skin



## Skin Care Cosmetics

When you feel  
comfortable  
in your own skin

Every day, our skin is exposed to many harmful environmental influences. This makes it all the more important to have skin care cosmetics that provide us with everything we need for a vibrant appearance and healthy skin.

Our raw materials from the Skin segment offer you several options – our selection of different aloe vera products, as well as our jojoba oil and squalane are perfect for skin care in your end products. With our WorléeSoft Beads particles, some of them loaded with active ingredients, in various colors and sizes, you can also impress visually.

## OUR PRODUCTS FOR SKIN CARE COSMETICS

Worlée <b>Aloe</b> .....	14
Aloe Vera	
Worlée <b>Aqua Thix</b> .....	16
Rheology Modifier/Thickener	
Worlée <b>Jojoba Oil</b> .....	26
Jojoba Oil	
Worlée <b>Opac Eco</b> .....	30
Opacifier	
Worlée <b>Soft Beads</b> .....	34
Eye-catching Colored Particles	
Worlée <b>Squalane</b> .....	36
Squalane	
Worlée <b>Xtra</b> .....	42
Natural Extracts	



## Cleansing Cosmetics

# When you can feel the purity

One of the most important care rituals for our skin is its daily cleansing. The right products are essential to maintain its function as a protective barrier and to prepare it for subsequent care.

In addition to our nourishing raw materials in the segment of Cleansing, we also offer various peeling bodies. They can also be used in natural cosmetics products, as they are mostly COSMOS and NaTrue compliant.



# Cleansing

## OUR PRODUCTS FOR CLEANSING COSMETICS

<b>WorléeAloe</b> .....	14
Aloe Vera	
<b>WorléeAqua Thix</b> .....	16
Rheology Modifier/Thickener	
<b>WorléeBase</b> .....	18
Pigment Dispersions	
<b>WorléeBeads</b> .....	20
Gentle Scrubs	
<b>WorléeJojoba Oil</b> .....	26
Jojoba Oil	
<b>WorléeOpac Eco</b> .....	30
Opacifier	
<b>WorléeScrub</b> .....	32
100% Natural Scrubs	
<b>WorléeSoft Beads</b> .....	34
Eye-catching Colored Particles	
<b>WorléeSqualane</b> .....	36
Squalane	
<b>WorléeSuspens Eco</b> .....	40
Bio-based Suspending Agent	
<b>WorléeXtra</b> .....	42
Natural Extracts	



## Hair Cosmetics

# When beautiful, healthy looking hair makes attractive

The first impression has a considerable influence on perception – our hair is particularly prominent and is considered a distinctive feature of attractiveness. On average, a person has over 100,000 hairs. The cuticula ensures the protection of the hair. Healthy hair has a natural shine, it is not just a feature of attractiveness, it's also a mirror of the health.

We offer a wide range of natural products to improve the hair's texture and shine. Furthermore, our bio-based suspending agent, film formers, and thickeners are also suitable for use in hair cosmetics.



# Hair

## OUR PRODUCTS FOR HAIR COSMETICS

<b>WorléeAloe</b> .....	14
Aloe Vera	
<b>WorléeAqua Thix</b> .....	16
Rheology Modifier/Thickener	
<b>WorléeJojoba Oil</b> .....	26
Jojoba Oil	
<b>WorléeMicromer /</b> <b>WorléeMicromer Eco</b> .....	28
Film Formers and more	
<b>WorléeSqualane</b> .....	36
Squalane	
<b>WorléeStyle Eco</b> .....	38
Hair Styling Product	
<b>WorléeSuspens Eco</b> .....	40
Bio-based Suspending Agent	
<b>WorléeXtra</b> .....	42
Natural Extracts	



# United for a sustainable development

## The values that guide our actions

Since 1851, the year our company was founded, the principle of sustainability including its three core themes of economy, ecology and social issues has been at the centre of our corporate philosophy. As a family company, Worlée-Chemie is dedicated to social and societal responsibility, as well as fair treatment of its business partners and employees.

**We are committed** to forward-looking and prudent environmental protection and to preventive and comprehensive occupational health and safety as a corporate goal.

**We are convinced**, that the natural goods of water, air, and soil must be treated carefully as a part of our responsible business practices. In this way, the ecosystem in which we live can be preserved as the basis of life for future generations as well. This particularly applies to the economical and efficient use of energy and natural resources.

**We stand by** our responsibility to provide safe and secure production, storage, and transport. We ensure that our products are handled conscientiously along the entire value-added chain.

We are mindful that our corporate mission statement is both a commitment and a responsibility. All Worlée-Chemie employees are obliged to observe our principles of conduct and management. With their own objectives and personal practices, our managers and employees all work equally to implement our mission statement into their everyday work and to further develop our company. Compliance with human rights due diligence is a matter of course for our company. We believe that integrity, fairness, responsibility, and a high level of transparency form the basis for a trustful and long-term business relationship. Our suppliers further down the supply chain are expected to adhere to these principles as well and to accept our code of conduct for suppliers or to present equivalent guidelines.

## Integrated management systems – our working standards

## Sustainable product development of WorléeCosmetics

Our development priorities are in line with our sustainability goals in the tradition of our family business: namely, the development of environmentally-friendly and sustainable products.

To date, polymers have been chiefly manufactured from petrochemical raw materials. Our objective is the production of polymers that are mainly composed of renewable raw materials such as sugar, starch, and oils without sacrificing important application properties. We are focused on producing and optimizing water-based products, as well as reducing or avoiding the use of mineral solvents. Petrochemical acrylates can be replaced by monomers based on renewable raw materials.

With the development of new cellulose systems, we will be able to offer solutions for natural suspension agents in future rinse-off (shower gel) products. These cellulose systems can also be adapted for numerous other areas of application.

For our decorative cosmetics division, we are developing film formers made from renewable raw materials with a Natural Origin Index of at least 0.5 (in accordance with ISO 16128). Our film formers are used for eyeliners, foundations, eye shadows and other high-quality products.

As product adaptation has already been completed for our WorléeSoft Beads products, they can now be used in the field of natural cosmetics. Almost all products in this series are COSMOS validated and help our customers in the formulation of natural, sustainable products.



ISO 9001: Quality management system  
ISO 45001: Occupational health and safety management system  
ISO 14001: Environment management system  
ISO 50001: Energy management system



# Aloe Vera

## WorléeAloe

### Aloe Vera

Our WorléeAloe brand eliminates guesswork and uncertainty about product purity and quality while providing supply chain reliability and continuity for modern day customers who are under constant production scheduling time constraints and cost saving pressures. With nearly forty years of experience in the Aloe industry, we offer all forms ranging from freeze- or spray-dried powders to liquid concentrates either conventional or organic certified (according to regulation (EC) No. 834/2007 and NOP).

All of our products meet the standards of the International Aloe Science Council (IASC).



Our organic product range:

Product	INCI	Description	NaTrue compliant	COSMOS compliant	ISO 16128	
					Natural Origin Index	Natural Origin Content [%]
Organic WorléeAloe IF 1x	Aloe Barbadensis Leaf Juice	Aloe Vera Juice (1x, decolourized) from the inner filet of the Aloe barbadensis miller	✓	✓	–	99.8
Organic WorléeAloe IF 10x	Aloe Barbadensis Leaf Juice	Concentrated Aloe Vera Juice (10x, decolourized) from the inner filet of the Aloe barbadensis miller	✓	✓	–	100
Organic WorléeAloe IF 200x FD	Aloe Barbadensis Leaf Juice Powder	Freeze dried (200x, decolourized) powder from the inner filet of the Aloe barbadensis miller	✓	✓	1	–
Organic WorléeAloe IF 200x SD	Aloe Barbadensis Leaf Juice Powder	Spray dried (200x, decolourized) powder from the inner filet of the Aloe barbadensis miller	✓	✓	1	–

Our conventional product range:

Product	INCI	Description	NaTrue compliant	COSMOS compliant	ISO 16128	
					Natural Origin Index	Natural Origin Content [%]
WorléeAloe IF 1x	Aloe Barbadensis Leaf Juice	Aloe Vera Juice (1x, decolourized) from the inner filet of the Aloe barbadensis miller	✓	✓	–	99.8
WorléeAloe IF 10x	Aloe Barbadensis Leaf Juice	Concentrated Aloe Vera Juice (10x, decolourized) from the inner filet of the Aloe barbadensis miller	✓	✓	–	99.8
WorléeAloe IF 200x FD	Aloe Barbadensis Leaf Juice Powder	Freeze dried (200x, decolourized) powder from the inner filet of the Aloe barbadensis miller	✓	✓	1	–
WorléeAloe IF 200x SD	Aloe Barbadensis Leaf Juice Powder	Spray dried (200x, decolourized) powder from the inner filet of the Aloe barbadensis miller	✓	✓	1	–
WorléeAloe IF 200x FD (HA)	Aloe Barbadensis Leaf Juice Powder	Freeze dried (200x, decolourized) powder from the inner filet of the Aloe barbadensis miller. Special grade which is <b>compatible with high alcohol</b> use levels	✓	✓	1	–



WorléeAqua Thix – Rheology Modifier/Thickener

# Rheology Modifier / Thickener

## WorléeAqua Thix Rheology Modifier/Thickener

WorléeAqua Thix are liquid rheology modifiers for thickening of cleansing products and skin care emulsions. They enable the suspension and stabilization of particles and emulsions and are cost-effective all-in-one polymers for the production of sophisticated formulations. The products support emulsion stability and suspension of UV pigments in skin and sun care products and improve pigment distribution in color cosmetics, resulting in pleasing aesthetics and high coverage.

- ✓

Cold processable
- ✓

Easy to incorporate (liquid)
- ✓

Pleasant sensory
- ✓

China compliant
- ✗

Non-GMO
- 🌱

Vegan
- 🚫

Not in scope of Commission regulation (EU) 2023/2055 for microplastics

Product overview

Product	WorléeAqua Thix 100	WorléeAqua Thix 150	WorléeAqua Thix 200
INCI	Acrylates Crosspolymer	Acrylates Copolymer	Acrylates Copolymer
Description	All-in-one solution for color cosmetics and emulsions with pigments.	Rheology modifier and thickener for advanced cleansing formulations.	Rheology modifier and thickener for low pH cleansing formulations.
Total solids [%]	32.0		
pH value	2.1 – 3.0		
Viscosity [mPas]	≤ 100		
Optimal performance at pH	6 – 11		4 – 11

WorléeAqua Thix – Rheology Modifier/Thickener



# Pigment-dispersions

## WorléeBase Pigment Dispersions

WorléeBase AQ products are prepared pigment dispersions based on an aqueous polymer-pigment mixture. Beside the standard range, we offer tailor-made colors on request. A simplified application in formulations such as eyeliners, foundations, water-based nail polishes or mascaras. Cost saving in terms of process time and equipment are key benefits as well as the high color strength of pigments. WorléeBase AQ products are also free of PEG and emulsifiers.

- ✓

High color strength for pigments
- ✓

Good batch consistency of color
- ✓

Good storage stability
- ✓

Water-based
- ✓

PEG/EO free
- ✓

Cold processing, easy addition without grinding or dispersing of the pigments
- ✓

No dust, no danger to employee
- ✓

Reduces process time and equipment, huge cost savings
- ✓

FDA certified or exempt from FDA certification

Product overview

Product	Color		Amount of pigments/ dyes [%]	INCI
WorléeBase AQ 15850:1/1	<div></div>	Red 7 Lake (FDA-certified)	18 – 21	Aqua, CI 15850:1, Barium Sulfate, Ammonium Acrylates Copolymer, Methylpropanediol, Sodium Acrylates Copolymer, Caprylyl Glycol, Phenylpropanol, Simethicone
WorléeBase AQ 77266/1	<div></div>	Carbon Black (FDA-certified, Black No. 2)	19 – 21	Aqua, Ammonium Acrylates Copolymer, CI 77266 (nano), Methylpropanediol, Simethicone, Caprylyl Glycol, Phenylpropanol
WorléeBase AQ 77491/1	<div></div>	Iron Oxide, red Low heavy metal content*	39 – 41	Aqua, CI 77491, Methylpropanediol, Ammonium Acrylates Copolymer, Caprylyl Glycol, Phenylpropanol, Sodium Acrylates Copolymer, Simethicone
WorléeBase AQ 77492/1	<div></div>	Iron Oxide, yellow Low heavy metal content*	29 – 31	Aqua, CI 77492, Ammonium Acrylates Copolymer, Methylpropanediol, Sodium Acrylates Copolymer, Caprylyl Glycol, Phenylpropanol, Simethicone
WorléeBase AQ 77499/1	<div></div>	Iron Oxide, black Low heavy metal content*	39 – 41	Aqua, CI 77499, Methylpropanediol, Ammonium Acrylates Copolymer, Simethicone, Caprylyl Glycol, Phenylpropanol, Sodium Acrylates Copolymer
WorléeBase AQ 77510/1	<div></div>	Ferric Ammonium Ferrocyanide* (Iron Blue)	27 – 30	Aqua, CI 77510, Ammonium Acrylates Copolymer, Methylpropanediol, Sodium Hydroxide, Caprylyl Glycol, Phenylpropanol, Simethicone
WorléeBase AQ 77891/2	<div></div>	Titanium Dioxide, white silane-modified*	39 – 41	Aqua, CI 77891, Ammonium Acrylates Copolymer, Methylpropanediol, Sodium Acrylates Copolymer, Caprylyl Glycol, Phenylpropanol, Alumina, Triethoxycaprylylsilane

\*Color additives (pigments) exempt from FDA certification



# Gentle Scrubs



## WorléeBeads Gentle Scrubs

WorléeBeads are made of jojoba wax, castor wax or cellulose and different colour pigments. They are characterized by their high sphericity and very low particle size distribution which leads to a better representation in the formula. Application areas are rinse-off products for facial cleansing and for body exfoliation. WorléeBeads can be used in the field of green cosmetics and offer a sustainable alternative to conventional exfoliants, since they are predominantly NaTrue-compliant.



Different sizes and colors



Originated from natural and renewable sources



Made in Germany



Biodegradable



Non-GMO

### WorléeBeads CELL

Product	Standard Particle Sizes 250 – 850 µm 20/60 Mesh	INCI	NaTrue compliant	COSMOS compliant	ISO 16128	
					Natural Origin Index	Natural Origin Content [%]
WorléeBeads CELL White 07		Cellulose	✓	validated	1	–
WorléeBeads CELL Red 07		Cellulose, CI 77491	validated	✓	–	100
WorléeBeads CELL Crazy Pink TF 07		Cellulose, CI 73360			–	99.9
WorléeBeads CELL Orange 07		Cellulose, CI 77491, CI 77492	✓	✓	–	100
WorléeBeads CELL Iron Blue 07		Cellulose, CI 77510	✓	✓	–	100
WorléeBeads CELL Blue 07*		Cellulose, CI 77007	✓	✓	–	100
WorléeBeads CELL Green 07		Cellulose, CI 77289	✓	✓	–	100
WorléeBeads CELL Brown 07*		Cellulose, CI 77491, CI 77492, CI 77499	✓	✓	–	100
WorléeBeads CELL Charcoal 07		Cellulose, Charcoal Powder	✓	✓	–	100

\*available on request, MOQ 100 kg  
The colors on the print may differ from the original; for a sample please contact [cosmetics@worlee.de](mailto:cosmetics@worlee.de)

Minimum Shelf life: 36 months


















Applications	Typical Use Level
Bar Soaps	0.5 – 5%
Body Washes	0.5 – 10%
Facial Cleansers	1.0 – 10%



# Gentle Scrubs

## WorléeBeads Gentle Scrubs

WorléeBeads HCO and WorléeBeads Jojoba

Product	Standard Particle Sizes			INCI	Natural Cosmetics		ISO 16128	
	20/60 Mesh 250 – 850 µm	40/60 Mesh 250 – 425 µm	60/100 Mesh 150 – 250 µm		NaTrue compliant	COSMOS validated	Natural Origin Index	Natural Origin Content [%]
WorléeBeads HCO White (pigment free)				Hydrogenated Castor Oil		✓	1	–
WorléeBeads HCO Blue				Hydrogenated Castor Oil, Blue 1 Lake			–	99
WorléeBeads Jojoba Snow White (pigment free)				Hydrogenated Jojoba Oil	✓	✓	1	–
WorléeBeads Jojoba Rose Red		*		Hydrogenated Jojoba Oil, CI 73360, Talc			–	99.8
WorléeBeads Jojoba Crazy Pink TF		*		Hydrogenated Jojoba Oil, CI 73360			–	99.6
WorléeBeads Jojoba Amazon Green				Hydrogenated Jojoba Oil, CI 77289	✓	✓	–	100
WorléeBeads Jojoba Mint Green				Hydrogenated Jojoba Oil, CI 77289	✓	✓	–	100
WorléeBeads Jojoba Deep Sea Blue				Hydrogenated Jojoba Oil, CI 77007**	✓	✓	–	100
WorléeBeads Jojoba Sunflower		*		Hydrogenated Jojoba Oil, CI 77492	✓	✓	–	99
WorléeBeads Jojoba Purple		*		Hydrogenated Jojoba Oil, CI 77007**, CI 73360, Talc			–	98
WorléeBeads Jojoba Black		*		Hydrogenated Jojoba Oil, CI 77499	✓	✓	–	100

\* available on request  
\*\*Ultramarine blue pigment is may not be stable in products with a pH below 7. The pigment may decompose.  
The colors here may differ from the original. Please contact cosmetics@worlee.de

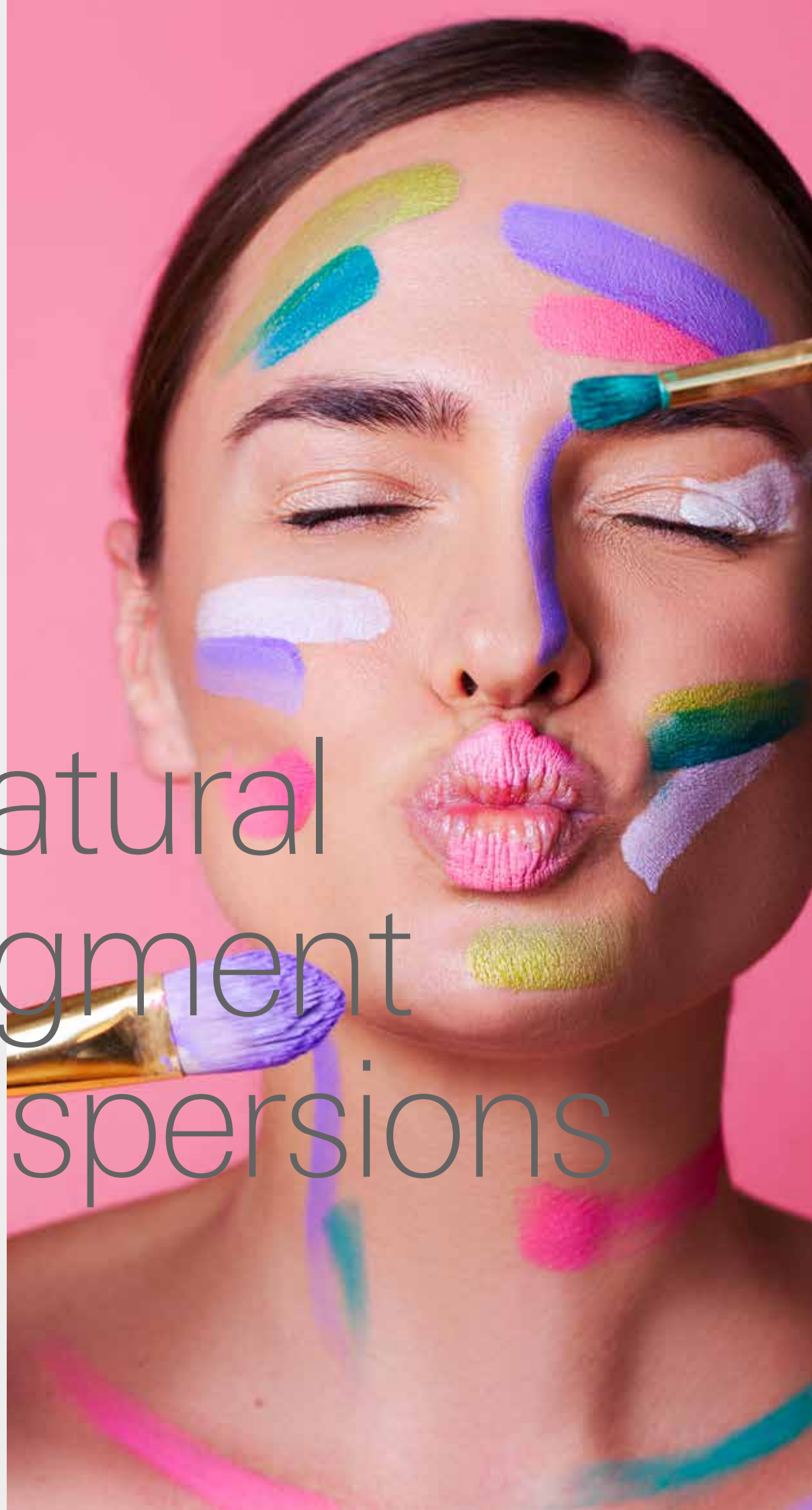
**WorléeBeads HCO**  
Melting Point: 85–86°C  
Minimum Shelf Life: 24 Months

**WorléeBeads Jojoba**  
Melting Point: 67–71°C  
Minimum Shelf Life: 24 Months

Applications	Typical Use Level
Bar Soaps	0.5 – 5%
Body Washes	0.5 – 10%
Facial Cleansers	1.0 – 10%



# Natural Pigment Dispersions



## WorléeColor Eco Natural Pigment Dispersions



Our innovative range of aqueous pigment dispersions, WorléeColor Eco, is developed to meet your requirements for sustainability, efficiency, and performance. They offer a range of benefits that will exceed your expectations. Whether you're creating vibrant eye looks or subtle lip shades, our pigment dispersions provide the versatility and performance you need to achieve stunning results.

- ✓ Water-based: Sustainable and versatile
- ✓ Suitable for Natural Cosmetics: Under review for COSMOS certification
- ✓ Clean formulation: Free from acrylates, PEG/EO, parabens, mineral oils, sulfate-surfactants, amines, and microplastics
- ✓ Effortless incorporation without the need for grinding or dispersing of pigments
- ✓ Cuts down on processing time and equipment needs, leading to substantial cost savings
- ✓ Ensures clean and safe handling, free from dust hazards
- ✓ Yields vibrant and alluring colors with exceptional pigment strength

### Product overview

Product	Color		Amount of pigments/ dyes [%]	INCI
WorléeColor Eco Black IO		IRON OXIDE Black, CI77499	48 – 52	CI 77499, Aqua, Glycerin, Polyglyceryl-10-Laurate, Sodium Citrate, Phenylpropanol, Xanthan Gum, Glyceryl Isostearate, Citric Acid
WorléeColor Eco Red IO		IRON OXIDE Red, CI77491	48 – 52	CI 77491, Aqua, Glycerin, Polyglyceryl-10-Laurate, Sodium Citrate, Phenylpropanol, Xanthan Gum, Glyceryl Isostearate, Citric Acid
WorléeColor Eco Yellow IO		IRON OXIDE Yellow, CI77492	38 – 42	Aqua, CI 77492, Glycerin, Polyglyceryl-10-Laurate, Sodium Citrate, Phenylpropanol, Xanthan Gum, Glyceryl Isostearate, Citric Acid
WorléeColor Eco White		TITANIUM DIOXIDE, CI77891	48 – 52	CI 77891, Aqua, Glycerin, Polyglyceryl-10-Laurate, Sodium Citrate, Phenylpropanol, Xanthan Gum, Glyceryl Isostearate, Citric Acid
WorléeColor Eco Iron Blue		FERRIC AMMONIUM FERROCYANIDE, CI77510	38 – 42	Aqua, CI 77510, Glycerin, Polyglyceryl-10-Laurate, Sodium Citrate, Phenylpropanol, Xanthan Gum, Glyceryl Isostearate, Citric Acid

\*Color additives (pigments) exempt from FDA certification



# Jojoba Oil



## WorléeJojoba Oil

### Jojoba Oil

One vision and our passion for natural raw materials has made us what we are today: one of the leading European suppliers of jojoba oil. Our many decades of experience have led to our specialisation in not only the business, but also the processing of jojoba oil into our valuable WorléeBeads Jojoba. With our brand WorléeJojoba Oil, we offer you the best quality under the best conditions combined with incomparable service. Our customers’ satisfaction is our priority. Try our WorléeJojoba oil products and see for yourself!

Our WorléeJojoba Oil comply with NaTrue- and COSMOS-Standard. The organic grades are certified analogue to the Council Regulation (EC) No. 834/2007.

- ✓

Hydrates the skin
- ✓

Delivers antioxidant protection
- ✓

Balances natural oil production
- ✓

Has anti-inflammatory effects

#### Product overview

Product	INCI	Description	COSMOS validated	NaTrue compliant	ISO 16128 Natural Origin Index
WorléeJojoba Oil Golden	Simmondsia Chinensis Seed Oil	The clear, light yellow jojoba oil is extracted from the mature seeds of the jojoba bush (Simmondsia Chinensis) by means of cold pressing and filtration. This fluid is a liquid wax composed of long chain C18-C22 esters from monounsaturated fatty acids. The oil is used for hair care, skin care, nail care, in makeup products and bath oils as well as in soaps.	✓	✓	1
Organic WorléeJojoba Oil Golden	Simmondsia Chinensis Seed Oil				1
WorléeJojoba Oil Lite	Simmondsia Chinensis Seed Oil	Additional bleaching and deodorising of the cold-pressed oil yields a color- and odourless plant-based oil. This fluid is a liquid wax composed of long chain C18-C22 esters from monounsaturated fatty acids. The oil is used for hair care, skin care, nail care, in makeup products and bath oils as well as in soaps.	✓		1
WorléeJojoba Oil Lite ND	Simmondsia Chinensis Seed Oil	Additional bleaching of the cold-pressed oil yields a colorless plant-based oil. This fluid is a liquid wax composed of long chain C18-C22 esters from monounsaturated fatty acids. The oil is used for hair care, skin care, nail care, in makeup products and bath oils as well as in soaps.	✓		1






# Film Formers




## WorléeMicromer / WorléeMicromer Eco

Film Formers and more

WorléeMicromers are a line of film formers used in cosmetic formulations. The WorléeMicromer Eco range is made from at least 50% renewable raw materials, making them more eco-friendly. Both WorléeMicromer and WorléeMicromer Eco have different chemical compositions, such as acrylates, polyesters, or natural polymers, which leads to variations in their film-forming properties such as adhesion, water resistance, and stability of the formulations. Our film formers can also provide a protective barrier for the skin or nails, helping to prevent damage from environmental factors. This allows formulators to choose the best option for their specific product requirements. We also offer customized products to help customers find a personalized solution for their specific needs. Overall, film formers are an essential component, helping to enhance the performance and consumer experience of formulations.

-  Cold and hot processable
-  Non-GMO / GMO free
-  Not in scope of Commission regulation (EU) 2023/2055 for microplastics
-  Cruelty free

Product overview: Acrylates

Product	INCI	Total solids [%]	T <sub>d</sub> [°C]	pH value	China compliant	ISO 16128 Natural Origin Content [%]	Application		
							Color	Skin	Hair
WorléeMicromer C50/25	Ammonium Acrylates Copolymer	25	34	8.5	✓	–	✓		✓
WorléeMicromer C61/42	Ammonium Acrylates Copolymer	42	-15	8.0	✓	–	✓	✓	
WorléeMicromer Eco 100/10-L1	Acrylic Acid/Isobutyl Acrylate/Isobornyl Acrylate Copolymer	50	14	2.0	✓	80.0	✓	✓	
 WorléeMicromer Eco Resist	Acrylic Acid/Isobutyl Acrylate/Isobornyl Acrylate Copolymer	25	28	6.8	✓	87.7	✓	✓	✓

Product overview: Polyester and natural film former

Product	INCI	Total solids [%]	pH value	ISO 16128		Application		
				Natural Origin Index	Natural Origin Content [%]	Color	Skin	Hair
WorléeMicromer Eco 200/10	Hydrogenated Dilinoleyl Hydrogenated Dimer Dilinoleate/Stearate	100	–	0.99	–	✓	✓	
WorléeMicromer Eco 300/10-L1	Potassium Shellac	30	7.3	–	98.8	✓		✓



# WorléeOpac Eco

## Opacifier


WorléeOpac Eco 10 is a rice wax based opacifier dispersion that is designed for use in rinse-off formulations such as shampoos, shower gels and body washes. It is a natural origin-based alternative to polymers, commonly known as microplastics, which are often used in personal care products. Rice wax is a natural ingredient that is derived from rice bran oil and is considered to be a sustainable and eco-friendly alternative to synthetic ingredients. With a high natural origin content WorléeOpac Eco 10 is an ideal choice for personal care products that are marketed as natural or organic.


- ✓


Cold processable
- ✓

Easy to incorporate (liquid)
- ✓

Similar color impression as a Styrene/ Acrylates Copolymer
- ✓

Excellent temperature and storage stability
- 

Not in scope of Commision regulation (EU) 2023/2055 for microplastics
- 

Non-GMO
- 

Vegan

Product overview

Product	INCI	Appearance	Total Solids [%]	pH value	Viscosity [mPas]	ISO 16128 Natural Origin Content [%]
WorléeOpac Eco 10	Oxidized Rice Bran Wax, Ceteareth-20	white liquid	30	4.5 – 5.5	< 1000	95.5

Opacifier



# 100% Natural Scrubs



## WorléeScrub 100% Natural Scrubs

WorléeScrub Olive is a natural exfoliant. The scrub is made from olive stones, which are grounded into olive stone powder after drying. In order to ensure gentle sterilisation, the olive stones are processed by steam sterilisation.

As the product is of purely vegetable origin, it is ideally suited as a sustainable alternative to plastic granulates in the processing of vegan or anti-allergic cosmetics.



Natural granules from renewable raw material



Alternative to plastic or synthetic granules



Natural Origin Index of 1 (ISO 16128)



Suitable for the production of anti-allergic cosmetics



COSMOS validated



Application as exfoliant



Non-GMO



Skin friendly





Vegan



Upcycling product

### Product overview

Product	Standard Particle Size		INCI	ISO 16128 Natural Origin Index	COSMOS validated
	300 µm Face	500 µm Body			
WorléeScrub Olive			Olea European Seed Powder	1	✓



# Eye-catching Coloured Particles

## WorléeSoft Beads

Eye-catching Colored Particles

WorléeSoft Beads are visual particles in different sizes, colors and some are loaded with active ingredients. The particles were composed of mainly natural and renewable ingredients, are Non-GMO and can be used in leave-on or rinse-off products. WorléeSoft Beads are solid particles, which soften in aqueous formulations, as well as emulsions. They are also preservative free and do not contain animal components.

- ✓

Visual effects create a purchasing incentive for customers
- ✓

Active ingredients, colors, degrees of hardness, and sizes according to customer wishes
- ✓

Free of preservatives
- 🌿

More than 97% Natural Origin Content according to ISO 16128
- ✗

Non-GMO
- 🌱

Vegan

Product overview

Product	Standard Size			Active Ingredient	INCI	Natural Cosmetics		ISO 16128 Natural Origin Content [%]
	S 500-1,000 µm 18-35 Mesh	M 600-1,400 µm 14-30 Mesh	L 1,000-1,600 µm 12-18 Mesh			COSMOS compliant*	NaTrue compliant**	
WorléeSoft Beads Aloe Vera 2H2				0.4 – 0.7% Aloe Vera Powder 200x 1.0 – 3.0% Squalane	Mannitol, Microcrystalline Cellulose, Squalane, Aloe Barbadensis Leaf Juice Powder, CI 74260, Algin			99.7
WorléeSoft Beads Aloe Vera US 1H2				0.4 – 0.7% Aloe Vera Powder 200x 1.0 – 3.0% Squalane	Mannitol, Microcrystalline Cellulose, CI 77289, Squalane, Aloe Barbadensis Leaf Juice Powder, Algin	✓	✓	97
WorléeSoft Beads Blue 2H2				1.0 – 3.0% Squalane	Mannitol, Microcrystalline Cellulose, Squalane, CI 77007, Algin, Kaolin	✓	✓	99.8
WorléeSoft Beads Charcoal 2H2				1 – 3% Charcoal 1.0 – 3.0% Squalane	Mannitol, Microcrystalline Cellulose, Charcoal Powder, Squalane, Algin	✓	✓	100
<div>NEW</div> WorléeSoft Beads 15 Charcoal 1H1				13 - 17 % Charcoal, 0.5-1.5 % Squalane	Mannitol, Microcrystalline Cellulose, Charcoal Powder, Squalane, Algin	✓	✓	100
WorléeSoft Beads Cranberry 2H2				1 – 1.5% Cranberry Powder 1.0 – 3.0% Squalane	Mannitol, Microcrystalline Cellulose, Squalane, Vaccinium Macrocarpon Fruit Juice, Algin, CI 77491, Magnesium Hydroxide, Tricalcium Phosphate	✓	✓	99.9
<div>NEW</div> WorléeSoft Beads Crazy Pink TF 1H2				1 - 3% Squalane	Mannitol, Microcrystalline Cellulose, Squalane, Algin, CI 73360			99.9
WorléeSoft Beads Hemp Oil 1H2				1.0 – 3.0% Cannabis Sativa Seed Oil, 0.5 – 1.5% Squalane	Mannitol, Microcrystalline Cellulose, Cannabis Sativa Seed Oil, Squalane, Iron Oxides, Ultramarines, Tocopherol, Algin, Kaolin	✓	✓	100
WorléeSoft Beads Q10 2H2				0.08 – 0.14% Coenzyme Q10 1.0 – 3.0% Squalane	Mannitol, Microcrystalline Cellulose, Squalane, CI 77492, Algin, Ubiquinone	✓	✓	100
WorléeSoft Beads Red B3 1H2				< 1.0% Niacinamide 1.0 – 3.0% Squalane	Mannitol, Microcrystalline Cellulose, Squalane, Niacinamide, CI 77491, Algin			99.4
WorléeSoft Beads Sunflower 1H2				1.5 – 2.5% Sunflower oil	Mannitol, Microcrystalline Cellulose, Helianthus Annuus Seed Oil, CI 77492, Algin	✓	✓	99.7
WorléeSoft Beads Vitamin E 2H2				0.4 – 0.7% Tocopherol 1.0 – 3.0% Squalane	Mannitol, Microcrystalline Cellulose, Squalane, CI 77492, Tocopherol, Algin	✓	✓	100
WorléeSoft Beads White 1H2				1.0 – 3.0% Squalane	Mannitol, Microcrystalline Cellulose, Squalane, Algin	✓	✓	100

\*Size S is COSMOS validated, validation for sizes M and L on request  
\*\* according to internal audit



# Phytosqualane



## WorléeSqualane Olive

Phytosqualane

WorléeSqualane Olive is a colorless hydrocarbon obtained from olives. The vegetable origin is verified by isotope determination (13C/12C). It has a purity level of at least 92% squalane content and is validated according to Ecocert and COSMOS standards. The use of GMO or animal ingredients is deliberately avoided. Due to its natural origin and multifunctionality, it is ideally suited for applications in natural cosmetics. In addition, it picks up on the clean label trend.

WorléeSqualane Olive is used in a wide range of cosmetic formulations for face and body care, as well as in decorative cosmetics. Given its high spreading capacity, WorléeSqualane Olive enables emulsions to be spread evenly on the skin and leaves a unique, silky-soft, non-greasy skin feel. Its excellent pigment dispersion properties make it an ideal raw material for the development of make-up formulations. Its texture also makes it highly suitable for supporting the performance of make-up removers. As a result of its oxidation stability, the product is ideally suited for use in natural sunscreen protection formulations. In hair care products, it improves the combability of the hair without weighing the hair down. A truly multi-talented ingredient!

- ✓

Colorless and odorless
- ✓

Good spreadability
- ✓

Multifunctional use
- ✓

Temperature- and pH-stable over a wide range of cosmetic applications
- ✓

Oxidation stable
- ✓

Alternative to synthetic emollients, such as e.g. dimethicone
- ✓

Skin-friendly
- ✓

Ecocert and COSMOS validated
- ✓

Natural Origin Index of 1 (ISO 16128)
- ✗

Non-GMO
- ✓

Vegan
- ✓

Upcycling product

Product overview

Product	INCI	Description	ISO 16128 Natural Origin Content	COSMOS & ECOCERT validated	NaTrue validated
WorléeSqualane Olive	Squalane	Natural hydrocarbon extracted from the unsaponifiable parts of refined olive oil. Rapidly dispersing, oxidation-resistant and non-irritating lipid for skin emulsions, sun protection products, foundations, and hair care products.	1*	✓	✓

\*carbon based



# Hair Styling Product

## WorléeStyle Eco Hair Styling Product

WorléeStyle Eco 300/10-L3 is a hair styling product based on shellac. When used, WorléeStyle Eco 300/10-L3 prevents static build-up in dry rooms and on cold winter days. In addition, the hold and bounce of curls is significantly improved. The content of natural raw materials according to ISO 16128 is 100%.

- ✓ Physically drying film former
- ✓ Reduces static build-up (frizz)
- ✓ Stabilises curl strength (curl retention)
- ✓ Saves process time and equipment
- ✓ Natural origin (NOC: 100%)
- ✓ Not in scope of Commission regulation (EU) 2023/2055 for microplastics

### Product overview

Product	INCI	Appearance	Total solids	Viscosity [mPas]	ISO 16128 Natural Origin Content [%]
WorléeStyle Eco 300/10-L3	Ethanol, Shellac, Triethyl Citrate	brown liquid	39.0 - 41.0	≤ 1000	100



# Bio-based Suspending Agent

## WorléeSuspens Eco Bio-based Suspending Agent

WorléeSuspens ECO is the perfect solution for those looking to create sustainable, high-quality cosmetic products. Made from bacterial cellulose obtained through a non-GMO fermentation process, this bio-based suspending agent improves the stability of insoluble ingredients and enhances sensory properties, resulting in a transparent, uniform formulation.

In surfactant-containing rinse-off formulations, WorléeSuspens Eco forms a three-dimensional network of cellulose fibres that increases the yield stress without affecting the viscosity. This ready-to-use product is easily incorporated into a formulation with moderate agitation. The combination of Xanthan Gum with WorléeSuspens Eco significantly improves the flow properties.

Not only is WorléeSuspens Eco environmentally friendly and biodegradable, it is also COSMOS approved and microplastic free. This makes it a great choice for natural cosmetics that prioritize sustainability and high performance.

- ✓ Stabilization of insoluble ingredients
- ✓ Transparency comparable to synthetic suspending agent
- ✓ Improves the flow properties of Xanthan Gum
- ✓ Advantageous sensory properties
- ✓ Ready to use and pre-activated
- ✓ Tolerant to pH value, salt and temperature
- ✓ COSMOS approved
- ✓ China compliant
- ✓ Eco-friendly and biodegradable
- ✓ Natural Origin Content 99.4% acc. to ISO 16128
- ✓ Non-GMO
- ✓ Vegan
- ✓ Not in scope of Commission regulation (EU) 2023/2055 for microplastics
- ✓ Cruelty free

### Product overview

Product	INCI	Appearance	pH value	Viscosity [mPas]	ISO 16128 Natural Origin Content	
					without water [%]	with water [%]
WorléeSuspens Eco	Aqua, Glycerin, Cellulose, Sodium Benzoate, Cellulose Gum, Citric Acid	white to yellowish viscous liquid	3.0 – 5.0	< 5000	90.2	99.4



# Natural Extracts

## WorléeXtra Natural Extracts

WorléeXtra comprises a wide range of extracts, which are mainly derived from central and regional European raw materials and are cultivated sustainably. The first product in our new WorléeXtra range is based on the raw material *Fucus vesiculosus*.

WorléeXtra Lipid Fucus is a marine extract that combines the essence of North Atlantic Ocean brown algae, *Fucus vesiculosus*, with RSPO-certified Caprylic/Capric Triglyceride sourced from sustainable palm oil. Our product not only sets the highest standards for quality, but also for transparency and sustainability in the marine extract industry.

The raw material of the extract is sourced from a sustainable and eco-friendly origin in the French Brittany region, boasting exceptionally high quality. Furthermore, the extract is produced through a gentle cold extraction process using only pure essential ingredients.

- ✓ High quality dried raw material of *Fucus vesiculosus*
- 🌿 Transparent supply chain from the origin in Brittany, France through the extraction process, made in Northern Germany to the finished product
- 🌿 Reliable and sustainable natural source
- ✓ Cold extraction process
- ✓ Low energy input for extraction process
- ✓ No preservative
- 🚫 Non-GMO
- 🌱 Vegan

### Product overview

Product	INCI	Appearance	ISO 16128 Natural Origin Content [%]
WorléeXtra Lipid Fucus	Caprylic/Capric Triglyceride, Fucus Vesiculosus Extract	Colorless to pale-yellow, pale yellow-green, oily liquid	100

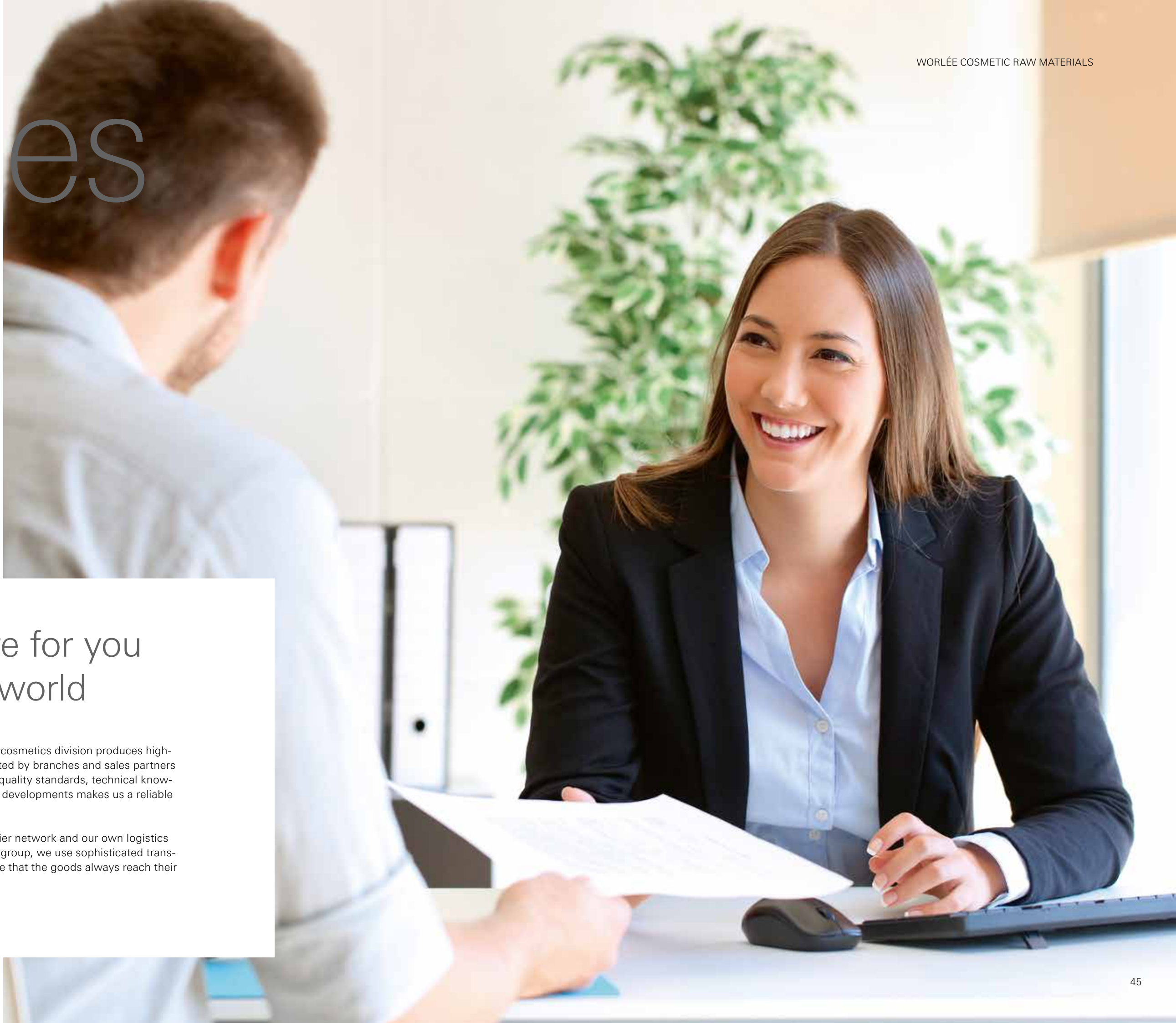


# Sales

We are there for you  
around the world

**Global sales network.** The cosmetics division produces high-quality raw materials and is represented by branches and sales partners worldwide. The combination of high quality standards, technical know-how and a feel for trends and market developments makes us a reliable partner.

Together with our international supplier network and our own logistics provider, which is part of the Worlée group, we use sophisticated transport and logistics processes to ensure that the goods always reach their destination reliably and on time.



# Sales Organization Worldwide



## Germany

### Hamburg

Worlée-Chemie GmbH  
Cosmetics  
cosmetics@worlee.de  
Tel. +49 40 733 33 0

## America

### USA

Main Contact  
Feline Malchow  
FMalchow@worlee.de  
Tel. +1 914 2023307

### USA (East)

Van Horn Metz & Co., Inc.  
201 East Elm Street  
19428 Conshohocken, PA  
Andrew Romano  
andy\_romano@vanhornmetz.com  
Tel. +1 610-828-4500

### USA (West)

TCR Industries  
Suite 102, 26 Centerpointe Drive  
CA 90623 Las Palmas  
Dana Glaviano  
SalesInfo@TCRIndustries.com  
Tel. +1 714 521 52 22

### Canada

Andicor Specialty Chemicals  
590 Abilene Drive  
Mississauga, ON L5T 2T4  
Andrea Boylan  
andrea.boylan@andicor.com  
Tel. +1 905 795 0911

## Europe

### Balkan States

ProTec Balkans Ltd.  
36, Dragan Tzankov Blvd.  
World Trade Center Inter-  
pred, Block B, office 102  
1040 Sofia  
Pinteva Eddy  
eddy@sd-pharma.bg  
Tel. 00359 887 315 892

### Benelux

E.H. Worlée & Co. B.V.  
Meenthof 17 A  
1241 CP Kortenhoef  
Rob De Waart  
rdewaart@worlee.nl  
Tel. +31 356 56 14 24

### France

Ingretech Sarl  
30 Rue du Vieil Abreuvoir  
78100 Saint Germain en Laye  
Aline Serre  
aline.serre@ingretech.fr  
Tel. +33 139 10 30 42

### Italy

KosmAG S.r.L.  
Via Emanuele Filiberto 180  
00185 Rome  
Antonio Ciavola  
antonio.ciavola@kosmag.it  
Tel. +39 0266985487

### Spain

Keyser & Mackay  
Carrer de Pau Claris 99 -101,  
Escalera 2, 1º 1ª  
08009 Barcelona  
Elena Ilinca  
e.ilinca@keymac.com  
Tel. +34 931 593 834

### Sweden

Kavat Kosmetikutveckling AB  
Kungsposten 4E  
427 50 Billdal  
Kaisa Avehall  
Kaisa@kavatkosmetik.com  
Tel. +46 73 0778154

### UK

ProTec Ingredia Ltd.  
Unit 10 Delta Court  
Manor Way  
WD6 1FJ Hertfordshire  
Christine Clark  
christineclark@protecingredia.com  
Tel. +44 (0)203 761 3000

## Asia

### Worlée (Shanghai) Trading Co., Ltd.

Room 231-241, Block B, No.8  
Lane 1305, Hua Jing Road  
Shanghai  
Cora Gao  
gao@worlee.cn  
Tel. +86 2162 472 546

### Israel

IMCD Israel Specialty Chemical Ltd.  
P.O.B. 8213, Hamlacha St.  
4250543 Netanya  
Roni Litvak  
roni@tagra.com  
Tel. +972 986 56 45 4

### South Korea

Cosplanet  
#1928, 190, Wirye-daero,  
Hanam-si  
13012 Gyeonggi-do  
Min Kyung Park  
min@cosplanet.kr  
Tel. +82 02-6013-9111

The above declarations serve for information purposes only. In particular, they shall not be relevant to define binding specifications for any orders. With respect to any order, the specifications shall be governed by the provisions of the sales contract to be concluded between the parties (e.g., the „product specification“). Any deliveries are exclusively subject to our general standard terms and conditions in their respectively valid version. We will be happy to provide you with the general standard terms and conditions upon your request, and they can be downloaded online at <http://www.worlee.de/GSTC>





**Worlée-Chemie GmbH**  
Grusonstrasse 26  
22113 Hamburg, Germany  
Tel.: +49 40 733 33 0  
Fax: +49 40 733 33-1170  
cosmetics@worlee.de

[www.worlee.com](http://www.worlee.com)

