

# Beauty Solutions

#respectpromises

## Product Guide



**Lamberti**  
personal care

# Lamberti Technologies for Personal Care.

Make Beauty Happen, Make Innovation Real.

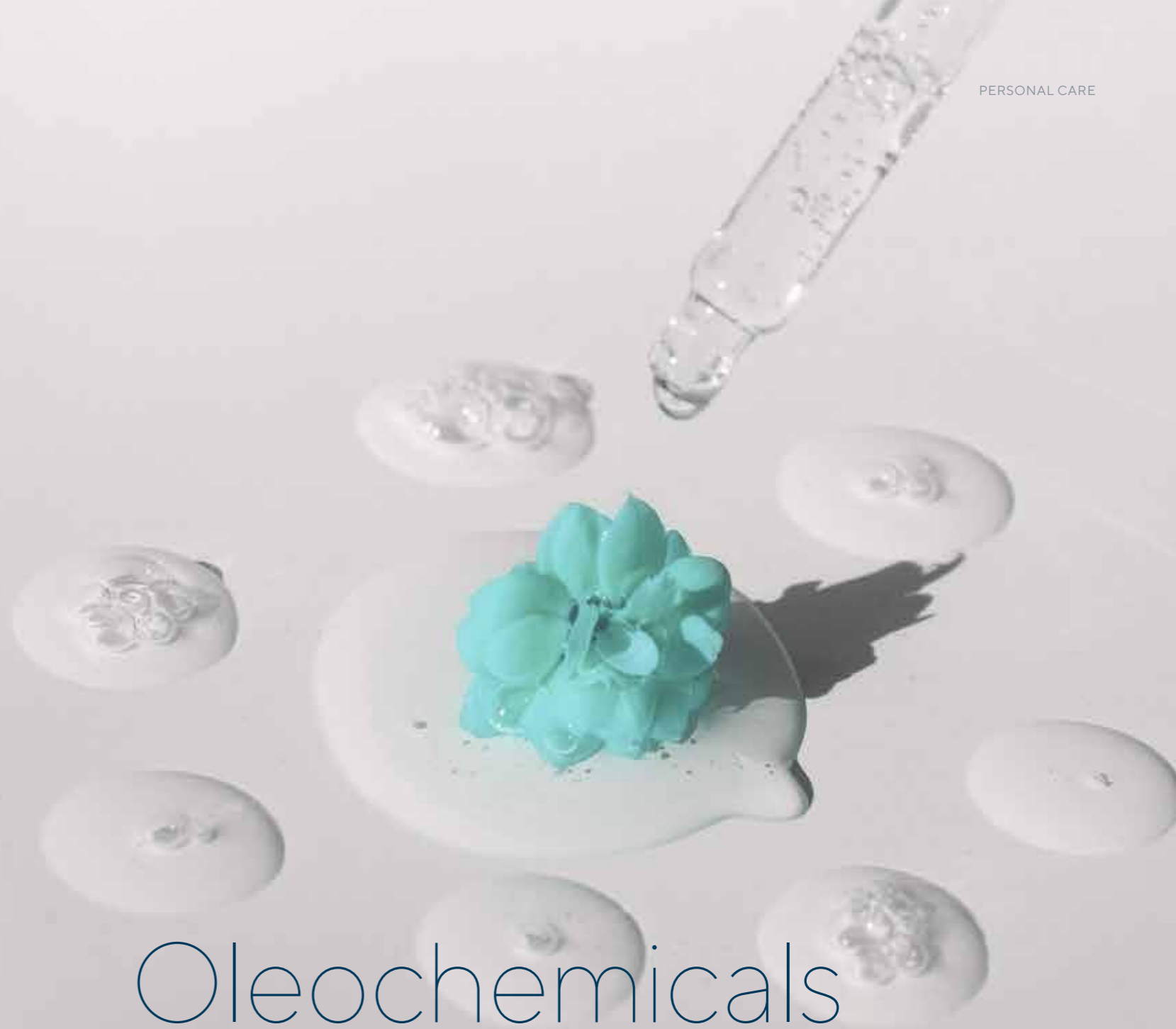
Lamberti is a global manufacturer of chemical specialties focused on customers' needs. Thanks to its well-established **Technological Platforms**, Lamberti Personal Care is fully committed to target consumers' requirements with high-quality, performant ingredients. Each product within our portfolio is innovation-driven and designed to **open new perspectives**, supporting our customers in the development of the formulations of tomorrow.

Our approach for Personal Care combines a **very strong knowledge**, built over decades, with a seamless search for new advanced solutions. Working alongside our customers, we help transforming experience into groundbreaking raw materials, providing a unique tailor made service.

This made our brands **ESAFLOR®**, **VISCOLAM®** and **EUCAROL®** appreciated and recognised worldwide.

All new developments supported by our R&D laboratories are committed towards **sustainability** and environmentally friendly chemistry, in compliance with regulatory requirements.

To better focus on formulation design Lamberti has integrated **Kalichem**, who has a well-recognised know-how in the world of cosmeceuticals and **synergistic ingredients**.



Oleochemicals  
Natural Polymers  
Synthetic Polymers

# Beauty without compromise.

High-performance ingredients to deliver high-end results, with multifunctional benefits for optimised formulations.



## OLEOCHEMICALS

### Mild cleansing

Article	INCI name	Clean beauty claims	Certifications	Foam	Key features	a.m.	Physical form
EUCAROL® AGE/EC MB	Disodium Coco-Glucoside Citrate	no EO no sulfate no preservatives	COSMOS Natrue Ecocert RSPO MB  ISO16128 > 0.95	•••	Outstanding mildness towards skin, eyes and mucosa even at high concentrations. Good foaming power and cleansing properties. Suggested in baby or intimate detergents, make-up removers, bath or shower gels for sensitive skin. Thanks to its extreme mildness, it helps to reduce potential irritations due to harsh surfactants. Used to disperse pigments (eg. in mascaras).	30%	Liquid
EUCAROL® AGE C50 MB	Disodium Coco-Glucoside Citrate, Propylene Glycol	no EO no sulfate no preservatives	COSMOS RSPO MB  ISO16128 > 0.95	•••	Concentrated and water-smart version of EUCAROL® AGE/EC MB, in propylene glycol from certified vegetable origin.	50%	Liquid
EUCAROL® AGE/ET MB	Sodium Coco-Glucoside Tartrate	no EO no sulfate no preservatives	COSMOS Natrue Ecocert RSPO MB  ISO16128 > 0.95	••	Outstanding mildness towards skin, coupled with good cleansing performances. Suggested for baby and intimate care as well as to help reducing the irritation potential of liquid soaps, shampoos and skin cleansers.	30%	Liquid
EUCAROL® EASY MB	Disodium Cocoyl Glutamate, Disodium Coco-Glucoside Citrate	no EO no sulfate no preservatives	RSPO MB  ISO16128 ~ 1	•••	Versatile blend of mild anionic surfactants, from vegetable raw materials, optimised for an improved compatibility and easy handling. Outstanding mildness. Excellent foam behaviour coupled with mild yet effective cleansing. Ideal for waterless formulations, such as shampoo-bars, solid or powder cleansers, concentrated refills, cleansing milks and lotions. Easily thickened in combination with appropriate surfactants and/or natural gums, delivering pleasant rheological properties.	100%	Powder
EUCAROL® AGL C100 MB	Disodium Cocoyl Glutamate	no EO no sulfate no preservatives	RSPO MB  ISO16128 ~ 1	••	Solid form of Cocoyl Glutamate, suitable for concentrated and anhydrous products.	100%	Powder
EUCAROL® AGL 35 MB	Disodium Cocoyl Glutamate	no EO no sulfate no preservatives	RSPO MB  ISO16128 ~ 0.9	••	Excellent foam boosting properties, providing a fine and creamy foam, especially in combination with other surfactants. Soft feeling to the skin during and after use. Due to its conditioning properties on skin and hair, it is suitable also for haircare, providing lubricity, softness and silk feel to the hair.	30%	Liquid
EUCAROL® PCG	Potassium Cocoyl Glycinate	no EO no sulfate no preservatives	ISO16128 ~ 0.7	••	Luxuriously creamy foam in neutral to alkaline conditions. Gentle skin cleansing effect, with a pleasant fresh feeling, without taut after-feel. Recommended for facial cleansers and body wash products.	30%	Liquid
EUCAROL® SCA	Sodium Cocoyl Alaninate	no EO no sulfate no preservatives	ISO16128 ~ 0.7	••	Dense and rich foam, especially in neutral to slightly acidic conditions, also in presence of oils. Ideal for gentle cleansers, with a pleasant and fresh skin-feel. Perfect also for hair care, thanks to its conditioning properties. It also helps keeping skin and hair moisturised.	30%	Liquid

Article	INCI name	Clean beauty claims	Certifications	Foam	Key features	a.m.	Physical form
EUCAROL® B/M	Laureth-7 Citrate	no sulfate no preservatives	-	•••	Low irritating power and good foaming properties. Suitable for waterless or non-aqueous products.	100%	Liquid
EUCAROL® D	Sodium Dilaureth-7 Citrate	no sulfate	-	•••	Low irritating power and good foaming properties. Suggested for skin cleansers and shower products.	25%	Liquid

• low      •• medium      ••• high

### Hydrophilic emollients

Article	INCI name	Key features	a.m.	Physical form
STEROL CC/595	PEG-6 Caprylic/Capric Glycerides	Hydrophilic emollients and refatting agents to hair and skin, with solubilising properties for lipophilic substances. Clearly soluble in aqueous surfactant solutions. Ideal in shampoos, shower and bath preparations, skin and facial cleansers, liquid soaps.	100%	Liquid
STEROLLG/492	PEG-7 Glyceryl Cocoate		100%	Liquid

### Emollients

Article	INCI name	Key features	a.m.	Physical form
STEROL B125	C12-15 Alkyl Benzoate	Lightweight, medium spreading emollient. Ideal for sun and skin care. Non-greasy, with superior solubilising properties for crystalline chemical UV filters, it imparts a silky-smooth texture to the skin.	100%	Liquid
STEROL DBA	Dibutyl Adipate	Lightweight, fast spreading emollient. Ideal for sun and skin care. It delivers a smooth and silky texture, while effectively solubilising crystalline chemical UV filters and other lipo-soluble ingredients.	100%	Liquid

### O/W emulsifiers

Article	INCI name	Key features	a.m.	Physical form
ROLFOR LA 9	Laureth-9	Non ionic ingredients for rinse-off products and O/W emulsions.	100%	Paste
ROLFOR LA23	Laureth-23		100%	Solid
ROLFOR HT/6	Ceteareth-6		100%	Paste
ROLFOR HT/11	Ceteareth-11	Non ionic ingredients for rinse-off products and O/W emulsions.	100%	Solid
ROLFOR HT/25	Ceteareth-25		100%	Solid
STEROL ST/100	PEG-100 Stearate	Non ionic emulsifier with high HLB, for the manufacture of O/W emulsions.	100%	Solid
TEWAXTC 65	Glyceryl Stearate, PEG-100 Stearate	Non ionic emulsifier for O/W for creams and lotions, based on an optimised blend.	100%	Solid

### Solubilisers, co-emulsifiers & dispersing agents







Article	INCI name	Key features	a.m.	Physical form
ALPICARE D 3	Polyhydroxystearic Acid	Highly effective dispersant of natural origin, ideal for physical sunscreens, inorganic pigments and powders. Ideal for colour cosmetics and sunscreens, as well as emulsions with dispersed inorganic particles. Palm free.	100%	Solid
ALPICARE NS	PEG-40 Hydrogenated Castor Oil, Trideceth-9, Water	High performing solubiliser, based on an optimised blend of non ionic surfactants. Effective even at low concentrations, it is particularly suitable for solubilising essential oils and perfume oils, as well as other hydrophobic substances. It is easy to process and it works both in aqueous and hydroalcoholic systems.	90%	Liquid
ALPICARE CO 36	PEG-36 Castor Oil	Non ionic solubilising agents for fragrances, essential oils, lipophilic actives and vitamins.	97%	Liquid
ALPICARE COH 40	PEG-40 Hydrogenated Castor Oil		100%	Paste
ALPICARE COH/410	PEG-40 Hydrogenated Castor Oil		90%	Liquid
SORBILENE L/H	Polysorbate 20	Non ionic emulsifiers and solubilisers for toiletries.	100%	Liquid
SORBILENE P/H	Polysorbate 40		100%	Liquid
SORBILENE SH	Polysorbate 60		100%	Liquid
SORBIROL L	Sorbitan Laurate	Most hydrophilic of the sorbitan esters, widely used as co-emulsifier in O/W emulsions.	100%	Liquid
SORBIROLO	Sorbitan Oleate	Liquid, PEG-free co-emulsifier for O/W emulsions.	100%	Liquid
SORBIROLS	Sorbitan Stearate	Liquid, PEG-free co-emulsifier for O/W emulsions. Often used with SORBILENE SH for stable O/W emulsions.	100%	Solid
SORBIROL TO	Sorbitan Trioleate	Liquid, PEG-free co-emulsifier for O/W emulsions.	100%	Liquid

### Pharma grade excipients

Article	INCI name	Key features	a.m.	Physical form
SORBILENE L/EP	Polysorbate 20, Polysorbatum 20	Excipients for pharmaceutical uses to stabilise emulsions and suspensions; the chemical specifications are in accordance with the provisions of European Pharmacopeia.	100%	Liquid
SORBILENE S/EP	Polysorbate 60, Polysorbatum 60		100%	Liquid
SORBILENE O E/P	Polysorbate 80, Polysorbatum 80		100%	Liquid
ALPICARE CO 36 E/P	Macrogolglycerol Ricinoleate		97%	Liquid
ALPICARE COH 40 E/P	Macrogolglycerol Hydroxystearate		100%	Paste
SORBIROLO E/P	Sorbitan Monoleate		100%	Liquid

# NATURAL POLYMERS

## Multifunctional conditioning agents

Article	Properties			Performance		Key features	a.m.	Physical form
	Degree of modification	Molecular weight	Dissolution	Conditioning	Thickening			
<b>INCI name: Guar Hydroxypropyltrimonium Chloride</b>								
ESAFLOR® ZERO-X 	Medium	High	Self-hydrating	••	••	Optimal conditioning and deposition of water-insoluble actives. Suitable for everyday-use shampoos.	100%	Powder
ESAFLOR® ZERO-XB 	Medium	High	Dispersible	••	••	Optimal conditioning and deposition of water-insoluble actives. Suitable for everyday-use shampoos.	100%	Powder
ESAFLOR® LIGHT 	Medium	Low	Dispersible	•	•	Light conditioning, ideal for volumising and conditioning shampoos. Recommended for baby shampoos or thin hair.	100%	Powder
ESAFLOR® PLUS 	High	High	Dispersible	•••	•••	Highest conditioning and deposition of water-insoluble actives. Recommended for thick, ethnic or damaged hair.	100%	Powder
ESAFLOR® PURE 	Medium	High	Self-hydrating	••	••	Developed for clear formulations. Moderate conditioning. Ideal for everyday-use shampoos.	100%	Powder
ESAFLOR® EC3	Medium	High	Dispersible	••	••	Optimal conditioning and deposition of water-insoluble actives. Suitable for everyday-use shampoos.	100%	Powder
ESAFLOR® EC4	Medium	High	Self-hydrating	••	••	Self-hydrating version of ESAFLOR® EC3.	100%	Powder
ESAFLOR® EC5	Medium	Low	Dispersible	•	•	Light conditioning, ideal for volumising and conditioning shampoos. Recommended for baby shampoos or thin hair.	100%	Powder
ESAFLOR® EC7	High	High	Dispersible	•••	•••	Highest conditioning and deposition of water-insoluble actives. Recommended for thick, ethnic or damaged hair.	100%	Powder
<b>INCI name: Hydroxypropyl Guar Hydroxypropyltrimonium Chloride</b>								
ESAFLOR® PFT 	Medium	High	Dispersible	•	•	Developed for clear formulations. Light conditioning, ideal for volumising and conditioning shampoos. Improves hair brightness and mildness towards skin.	100%	Powder
ESAFLOR® HC56	Medium	Medium	Dispersible	•	•	Opaque version of ESAFLOR® PFT.	100%	Powder

• low    •• medium    ••• high

 Sustainable ESAFLOR® ZERO-X Technology

## Rheology modifiers & stabilisers

Article	Properties			Performance		Key features	a.m.	Physical form
	Degree of modification	Molecular weight	Dissolution	Suspending	Thickening			
<b>INCI name: Hydroxypropyl Guar</b>								
ESAFLOR® 4W	Low	High	Self-hydrating		•••	Excellent thickening, especially in surfactant solutions. Good compatibility with electrolytes. Smooth skin feel.	100%	Powder
ESAFLOR® HDR	High	High	Dispersible		•••	Thickener with optimal compatibility with polar solvents and ethanol. Ideal for hand sanitisers with a soft skin feel.	100%	Powder
<b>INCI name: C18-22 Hydroxyalkyl Hydroxypropyl Guar</b>								
ESAFLOR® HM22	Medium	High	Dispersible	••	•••	Emulsification-aid for O/W emulsions, with excellent thickening and stabilising properties. It works in synergy with the most commonly used emulsifiers, helping delivering stable emulsions with tunable texture. Good compatibility with electrolytes. Smooth skin feel.	100%	Powder

• low    •• medium    ••• high

# SYNTHETIC POLYMERS

## Sensory additives

Article	INCI name	Key features	a.m.	Physical form
BEAUTYSPHAERA® S	PEG-15/PPG-70 Glyceryl Ether/IPDI/ DMPA Crosspolymer	Unique urethane powder for top sensoriality in skin care, sun care and make-up applications. Designed to deliver instantly visible benefits, helping to reveal natural and healthy looking skin. It provides enhanced aesthetics to formulations delivering excellent slip, fluidity and overall skin feel, immediately enhancing the customer beauty experience.	100%	Powder

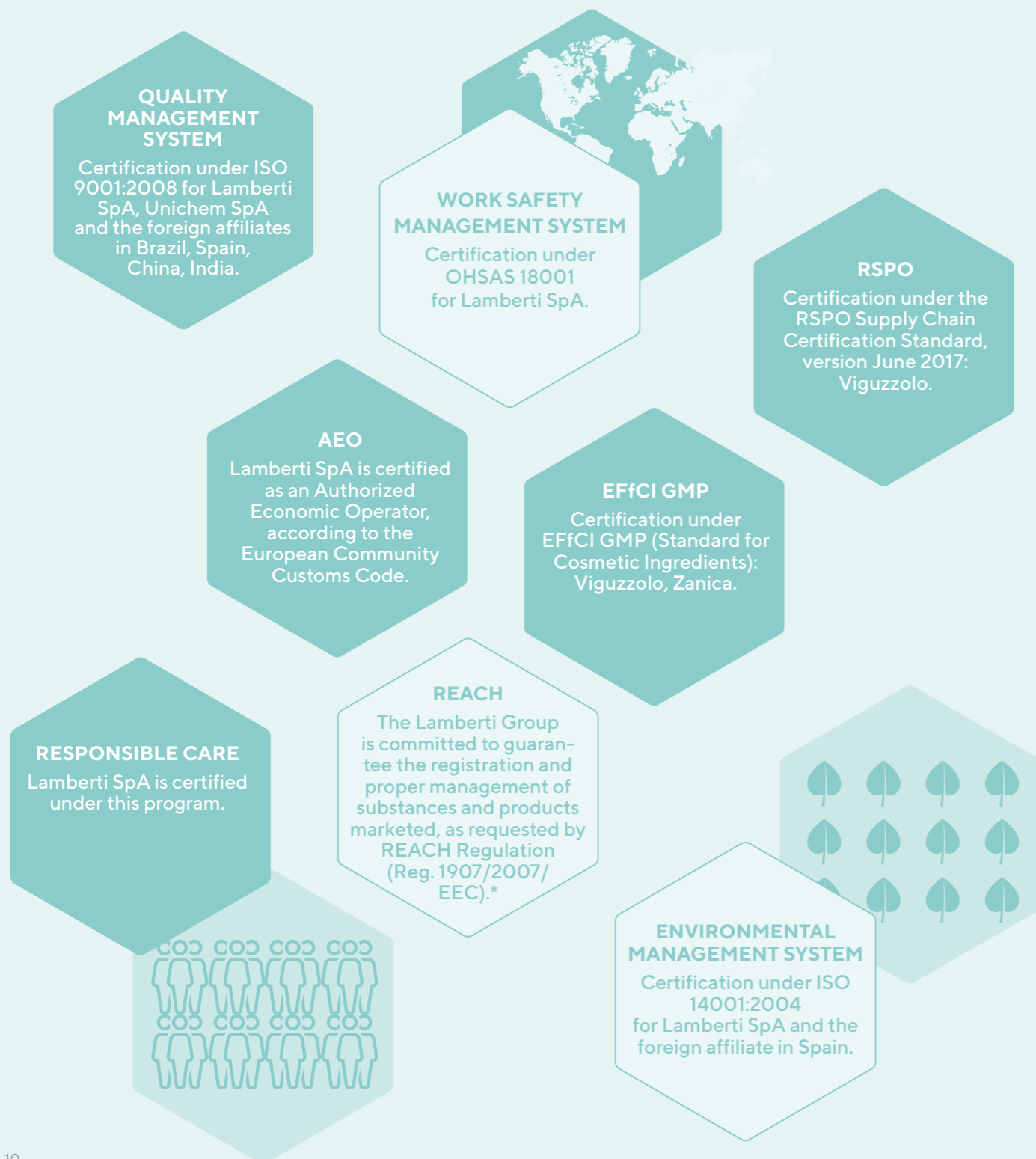
## Rheology modifiers & stability enhancers for surfactant based systems

Article	INCI name	Key features	a.m.	Physical form
VISCOLAM® GD19	Acrylates Copolymer	Liquid rheology modifier with exceptional clarity around neutral pH. Designed to suspend, stabilise and thicken surfactant-based personal care products.	30%	Liquid
VISCOLAM® B25	Acrylates/Beheneth-25 Methacrylate Copolymer	Highly efficient thickener for crystal clear formulations above pH 7.5, with smooth honey-like flow. Ideal for high pH toiletries formulations and for clear gels.	30%	Liquid

## Rheology modifiers & stability enhancers for O/W emulsions

Article	INCI name	Key features	a.m.	Physical form
VISCOLAM® AT100 P	Sodium Polyacryloyldimethyl Taurate, Hydrogenated Polydecene, Trideceth-10	Rheology modifier, emulsifier and stabiliser for O/W emulsions. Pre-neutralised, liquid polymer, with a broad pH stability. Suitable for formulas from thin lotions to rich creams. Fresh and melting skin feel.	40%	Liquid

# Lamberti certification and more.



## BELIEVING IN THE LABEL, meeting the demands of certified ingredients

Lamberti is fully committed to providing high quality materials and sustainable solutions. We operate according to the highest standards in terms of quality, safety and environmental protection, in compliance with the more accredited certifications for environmental respect.

Our commitment is recognised by several certifications: we developed a list of approved chemicals deemed truly natural and conform to **Cosmos** and **Natru** cosmetic standards.

The **Halal** label is gaining popularity in the cosmetics industry.

Halal certification is a strict and carefully controlled process; several criteria are evaluated, from raw materials to manufacturing facilities.

ESAFLOR® line is produced in a plant that fully meets all requirements for Halal Quality Control.





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