

Transparent, water-smart, sustainable conditioners



Transparency and clarity have recently taken on a broader significance, extending beyond the visual appearance of products. They have become symbols of clean beauty, purity and minimalism, reflecting a desire for products that convey a sense of cleanliness and simplicity.

Esaflor® PURE and Esaflor® PFT can deliver the multiple benefits of bio-based cationic guar polymers in crystal-clear formulations.

Properties & benefits

- Ideal for transparent formulations
- Conditioning effect, for silky hair and soft skin
- No build-up and no heavy feel
- Improved foam characteristics, in combination with surfactants
- Enhanced deposition of water-insoluble ingredients onto hair and skin
- Natural origin and eco-friendly
- Manufactured with sustainable ZERO-X Technology

Eco-sustainability: every drop counts

Natural guar gum derives from the inner part of *Cyamopsis tetragonoloba* (guar) seeds. The guar plant itself is an abundant, renewable, annual legume that requires very little rainwater. Further down the line, Lamberti developed ZERO-X Technology for the functionalisation of the natural gum: we minimise industrial water consumption, with a sustainable and water-saving process.

Portfolio

Esaflor® PURE

INCI name: Guar
Hydroxypropyltrimonium Chloride

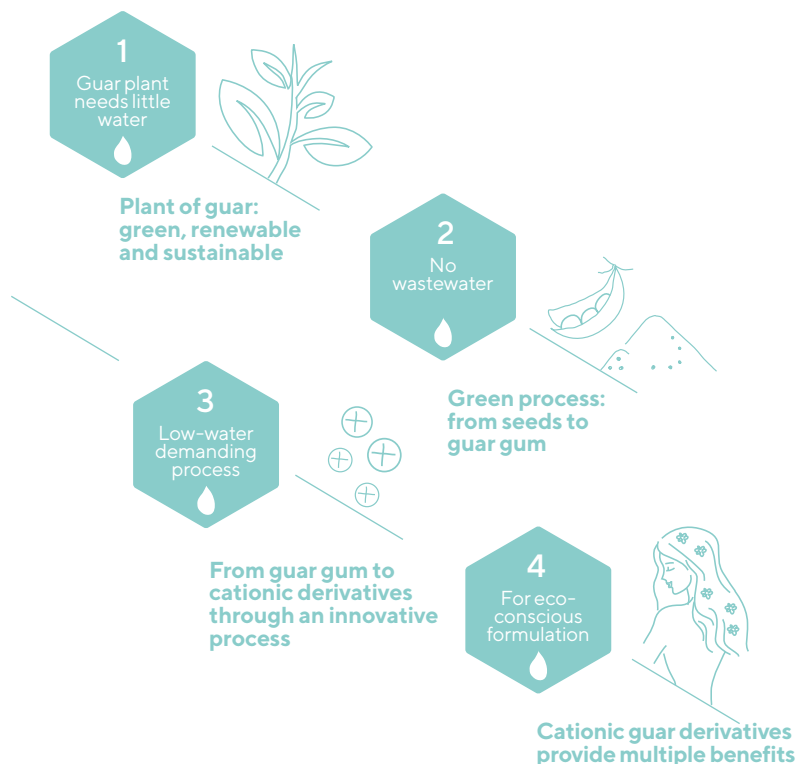
High clarity, combined with good substantivity to hair and no build up. It delivers excellent wet-combing and hair-feel properties.

It can enhance the deposition of water-insoluble actives, especially for fine hair, as well as slightly damaged hair. Suitable also for silicone- and sulfate-free shampoos. Ideal for kids shampoos.

Esaflor® PFT

INCI name: Hydroxypropyl Guar
Hydroxypropyltrimonium Chloride

Extra-clear and double-derivatised guar, ideal for transparent formulations. It delivers light conditioning to hair, perfect for a volumising effect with a natural feel. It also enhances hair shine. In bath and shower products, it works towards an excellent skin feel. Its inclusion into skin cleansing formulations can help enhancing mildness, while reducing the negative effects of harsh soaps and surfactants. Ideal for cleansing products, also for delicate skin.



Micellar shampoo - LAMCOS 158

Phase	Ingredient name	% w/w
1	Aqua (Water)	To 100
2	Disodium EDTA	0.05
3	ESAFLOR® PFT	0.5
4	Citric Acid (20% solution)	To pH ~ 5.5
5	Cocamidopropyl Betaine (30% a.m.)	9.3
6	Ammonium Lauryl Sulfate (27% a.m.)	45.3
7	Decyl Glucoside (50% a.m.)	3.0
8	Panthenol	2.0
9	Sodium Benzoate	0.3
10	Parfum (Fragrance)	0.3
11	Sodium Chloride	q.s.
12	Citric Acid (20% solution)	To pH ~ 5.0

General characteristics:

Appearance: thick clear detergent
 pH: ~ 5.0
 Viscosity (Brookfield RVT, 20 rpm, 25 °C): ~ 3500 mPa*s

Clear daily shampoo - LAMCOS 242

Phase	Ingredient name	% w/w
1	Aqua (Water)	To 100
2	ESAFLOR® PURE	0.2
3	Cocamidopropyl Betaine (30% a.m.)	10.0
4	Sodium Laureth Sulfate (27% a.m.)	29.6
5	EUCAROL® SCA	6.7
6	Preservatives	q.s.
7	Parfum (Fragrance)	q.s.
8	Citric Acid (20% solution)	To pH ~ 5.0

General characteristics:

Appearance: clear viscous liquid
 Viscosity (Brookfield RVT, 20 rpm, 25 °C): ~ 4000 mPa.s
 pH: ~ 5.0

Cuddling shower gel - LAMCOS 164

Phase	Ingredient name	% w/w
A		
1	Aqua (Water)	to 100
2	Disodium EDTA	0.05
3	EUCAROL® AGL 35 MB	10.0
4	Decyl Glucoside (50% a.m.)	8.0
5	EUCAROL® AGE/EC MB	5.0
B		
1	Aqua (Water)	25.0
2	ESAFLOR® PFT	0.5
3	Citric Acid (20% solution)	To pH ~ 5.5
C		
1	Glycerin	2.0
2	Xanthan Gum	0.3
D		
1	Parfum (Fragrance)	q.s.
2	Preservatives	q.s.
3	Citric Acid (20% solution)	To pH ~ 5.0

General characteristics:

Appearance: clear yellowish viscous liquid
 Viscosity (Brookfield RVT, 20 rpm, 25 °C): ~ 1500 mPa*s
 pH: ~ 5.0

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