

CELUS-BI Light Ester



The new horizon

Light and soft emollient ester

Unique & innovative high-technology

Eco-friendly process from renewable raw materials

Interesting skin-feel revealing its natural origin

Sustainable & biodegradable

Safe & dermo-compatible

Brasca

Division of ROELMI•HPC

abpersonalcare.com

CELUS-BI Light Ester

INCI (EU, US): Tripelargonin

INCI (worldwide - valid till 2018): C8-C12 Acid Triglyceride

✓ Celus-BI® Light Ester: the biodegradable ester based on renewable European crops



Celus-BI® Light Ester is readily biodegradable, according to OECD 301 method

Celus-BI® Esters, the brand-new line of innovative and renewable natural esters from BRASCA's long-term experience in health & personal care ingredients.

Focused on sustainability and eco-responsibility, Celus-BI® Esters represents the new driver of innovation.

They are high added-value products manufactured through low-impact processes.

✓ Celus-BI® Light Ester: performance & sensorial dossier

Celus-BI® Light Ester's cosmetic performances, in comparison with Caprylic/Capric Triglyceride, have been successfully measured:

- ✓ *Pigments dispersion*: better flowability, film uniformity and gloss effect. 30% less solvent used
- ✓ *UV filters dispersion*: better and faster dispersion of physical filters (Titanium Dioxide, Zinc Oxide)
- ✓ *Anhydrous formula*: comparable performances in body care, hair oil and lipstick

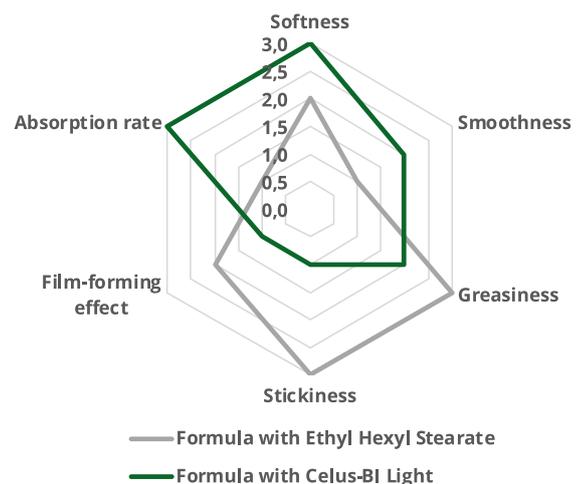
Celus-BI® Light Ester in compact powders: good binding capacity of Talc already at 2%, giving dry and pleasant touch on the skin.

Emulsions: 7% Celus-BI® Light Ester Hydrating Cream vs. same formulation with 7% Ethyl Hexyl Stearate.

- ✓ Higher softness
- ✓ Smoothness
- ✓ Absorption rate

Pigment dispersion	Wp (g)	Fp (g)
Caprylic/Capric Triglyceride	60.00	130.00
Tripelargonin	60.00	100.00

Flow point (Fp) significantly close to the Wet point (Wp), demonstrating dispersion properties even better than those of Caprylic/Capric Triglyceride



✓ **REACH (EU regulation):** complies

✓ Applications:

- ✓ Skin, sun & body care (emulsion - milk & cream, body oil, lotion & serum)
- ✓ Toiletries (hair mask, conditioning, shampoo)
- ✓ Make-up (lipstick, lipbalm, mascara, compact powder)