

CLR Formulation Concepts

Skin Balance Face Care OW

This face care has been optimally tailored to the needs of unbalanced skin. The lightweight, fast-absorbing formula moisturizes, replenishes and improves the skin's complexion.

CutiBiome CLR™ provides essential support for the natural balance between skin and its microbiota in difficult situations, like acne.

AnnonaSense CLR™ reduces sensitivity and itching. It sustainably stabilizes a healthy homeostasis in skin, improving skin appearance and perception of well-being. **MultiMoist CLR™** leaves the skin with a moisturized, silky and matt feeling.

Directions for use:

Apply on the scalp and gently massage into skin.



Featured Products

AnnonaSense CLR™ – Adaptogenic approach for skin health



AnnonaSense CLR™ provides the skin with means to establish a sustainable homeostatic balance, improving skin health and well-being. The potent adaptogenic action of AnnonaSense CLR™ supports the skin's endocannabinoid system by activating the CB2 receptor. Through this action, it reduces inflammatory processes induced by TRPV1. Histamine-, as well as TNF α /Substance P-induced stress is down-regulated and the expression of a vital detrimental receptor in skin, IL-31RA, is decreased. AnnonaSense CLR™ makes the skin less sensitive and more balanced, even itch is perceivably reduced. Skin appearance is improved and the perception of well-being and quality of life is enhanced.

AnnonaSense CLR™ is obtained from *Annona Cherimola*, common name Cherimoya, an edible fruit originating from South America.

Dosage: 3.0%
pH range: > 5.2

INCI Name:
Annona Cherimola Fruit Extract

AnnonaSense CLR™ is preserved with sodium dehydroacetate and phenylpropanol.

CutiBiome CLR™ – Calibrating the skin's ecosystem



CutiBiome CLR™ is a synergistic complex of lipophilic extracts from manuka, black pepper and magnolia. It provides essential support for the natural balance between skin and its microbiota in difficult situations, like acne and dandruff.

CutiBiome CLR™ reduces the film forming activity and significantly inhibits the growth of virulent phylotypes of *Cutibacterium acnes*. *In vitro* and *in vivo* studies show that it strongly reduces inflammation involved in acne and dandruff. On people suffering from acne, the use of CutiBiome CLR™ leads to a dramatic and perceivable reduction of sebum production, comedones, pustules and pimples.

Dosage: 1.5–3.0%
pH range: 4.0–7.0

INCI Name:
Octyldodecanol, Leptospermum Scoparium Branch/Leaf Oil, Piper Nigrum Seed Extract, Magnolia Officinalis Bark Extract

CutiBiome CLR™ is unpreserved.

MultiMoist CLR™ – Mapping the moisturization puzzle



MultiMoist CLR™ activates production of the vitamin D receptor (VDR) and promotes the VDR's activation. MultiMoist CLR™ also potentiates the effect of vitamin D. As a consequence the skin becomes more moisturized. By making use of 5 different objective instrumental approaches, the immediate and long term moisturizing properties of MultiMoist CLR™ were convincingly proven. Additionally, the activity of MultiMoist CLR™ was proven in a consumer study, where the subjective improvement of skin moisture content, skin smoothness and the look of skin were confirmed.

MultiMoist CLR™ consists of a powerful synergistic blend of fructooligosaccharides and beta vulgaris (beet) root extract.

Dosage: 3.0%
pH range: 3.0–8.0

INCI Name:
Fructooligosaccharides, Beta Vulgaris (Beet) Root Extract, Water

MultiMoist CLR™
is unpreserved.

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PHASE	TRADE NAME	INCI NAME	SUPPLIER	W/W %
A	Deionized Water	Water		ad 100
B	Eumulgin SG	Sodium Stearoyl Glutamate	BASF	0.50
	Lanette O MB	Cetearyl Alcohol	BASF	1.50
	Cutina GMS-V	Glyceryl Stearate	BASF	2.00
	Cutina HVG	Hydrogenated Vegetable Glycerides	BASF	1.50
	Cetiol CC	Dicaprylyl Carbonate	BASF	6.00
	Myritol 318 MB	Caprylic/Capric Triglyceride	BASF	6.00
	Rheocare XGN	Xanthan Gum	BASF	0.30
	CutiBiome CLR™	Octyldodecanol, Leptospermum Scoparium Branch/Leaf Oil, Piper Nigrum Seed Extract, Magnolia Officinalis Bark Extract	CLR	3.00
	C	AnnonaSense CLR™	Annona Cherimola Fruit Extract	CLR
MultiMoist CLR™		Fructooligosaccharides, Beta Vulgaris (Beet) Root Extract, Water	CLR	3.00
Microcare SB		Water, Sodium Benzoate, Potassium Sorbate	THOR	0.80
Aromatic Pomegranate Extract		Punica Granatum Fruit Extract	Carrubba	0.20
D	Lactic Acid (80%)	Lactic Acid, Water		q.s.

Operating Instructions: Mix A and B separately and heat up to 80°C. Add A to B and homogenize for 2 minutes. Cool down under stirring. Add C in given order and homogenize again for a short moment. Adjust pH value to 5.5 with D.

Directions for use: Apply on face and massage gently.

The recommendations and formulations given are based on our knowledge and experience in the field of technical application. They are, to the best of our belief, correct, but are offered without obligation. Those who use our recommendations and formulations as well as those who process CLR Active Agents are themselves responsible for the adherence to prevailing statutory regulations and the observance of patent rights as well as other protective rights for other companies.

This formula has been manufactured and stability-tested using a special preservative, but has not been subjected to microbiological challenge tests.

CLR

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