

Water Drop Emulsion

SC-DE-22-NB-3141023-014

Feel the freshness of the ocean with a hydrating daily cream that transforms into moisturizing water drops while using it. It leaves a refreshing and caring skin feel.



Main Claims

-  Splashed and refreshed experience.
-  Cared Skin feel.
-  Innovative Texture.
-  98.3% Natural Origin ISO 16128.

Verdessence™ Rice Touch

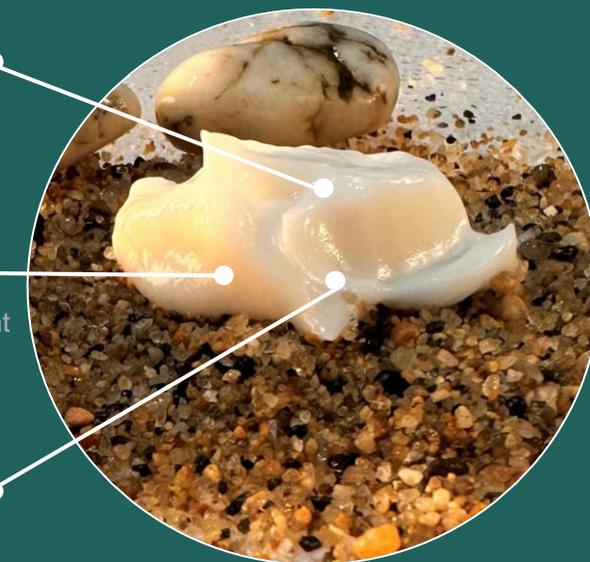
100% plant based sensory powder with small particle size provides powdery light and smooth skin feel.

Cosmedia® Gel CC

Emulsion stabilizer and suspending agent with nice sensorial properties that improves spreadability for skin care products

Dehymuls® PGPH

Nonionic W/O emulsifier suitable for creamy textures, lotions and sprays creating a nourishing skin feeling.



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Phase	Ingredients	INCI	% by weight	Function
A	Dehymuls® PGPH	Polyglyceryl-2 Dipolyhydroxystearate	1.00	Emulsifier (W/O)
	Cosmedia® Gel CC	Dicaprylyl Carbonate, Stearalkonium Hectorite, Propylene Carbonate	7.00	Rheology modifier
	Cetiol® RLF	Caprylyl Caprylate/ Caprate	3.00	Emollient
	Cetiol® V	Decyl Oleate	3.00	Emollient
	Cetiol® Ultimate	Undecane, Tridecane	3.00	Emollient
	Cegesoft® PFO	Passiflora Incarnata Seed Oil	2.00	Emollient
	Perfume*	Parfum	0.30	Fragrance
B	Water, demin.	Aqua	74.20	
	Glycerin	Glycerin	5.00	Humectant
	Sodium Benzoate	Sodium Benzoate	0.50	Preservative
C	Verdessence™ RiceTouch	Oryza Sativa (Rice) Starch	1.00	Skin feel modifier

Specifications

pH value (23°C)	4.5 – 4.9
Viscosity (Brookfield; RVT; Helipath ; 4 rpm; 23°C)	200.000 mPa s
Perfume	Düllberg: Aqua Mineral Natura(Limonene, Linalool, Benzyl salicylate)

Manufacturing Process

Cold Process: Premix phase A and disperse with high speed until the oil phase is homogeneous. Premix phase B and adjust the pH of phase B to 4.2-4.5. Disperse component of phase C in oil phase. Add phase B to phase A while stirring. Add phase B very slowly!! Don't homogenize!!

Formulation Pearl



Unstable emulsion stabilized with Cosmedia® Gel CC releasing water by shear stress. To make the formulation more stable increase the amount of Dehymuls® PGPH by 0.5 and Cosmedia® Gel CC by 1%. The water drop effect is a bit lower but the production of the formulation easiest.

Performance Evaluation

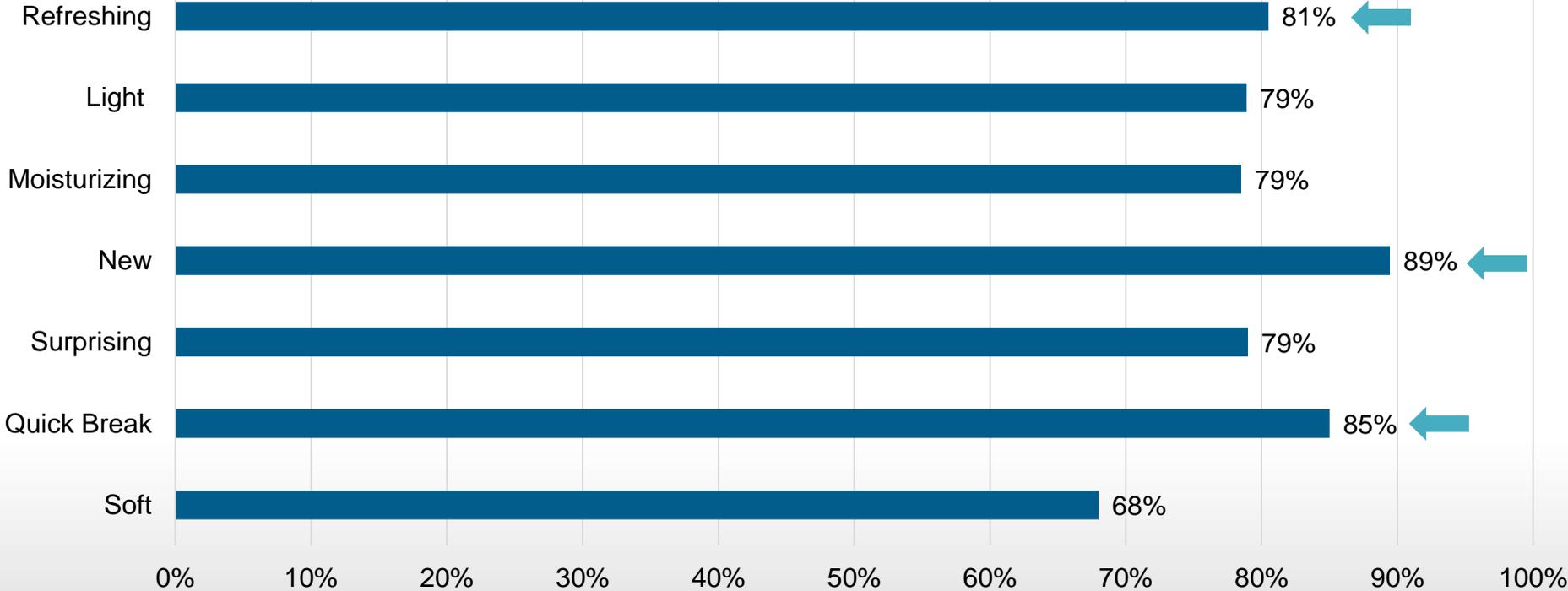
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Chemical Distribution

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Sensory Assesment



Water Drop Emulsion has been perceived as new, refreshing and with quick break feeling.