

BOUNCY ANTI-AGING CREAM

with Actigum™ Care, Floraesters™ 15, BotaniButter™ and CocoaDesign™ L



Phase	Trade Name	INCI	Supplier	%WT
A	Deionized water	Aqua	---	q.s.
	Zemea® Propanediol	Propanediol	IMCD	5.00
	Actigum™ Care	Hydroxypropyl Starch Phosphate, Sclerotium Gum	Cargill	3.00
B	Vercarem P3S	Polyglycerol-3-stearate	Jover	1.00
	Axol C62 Pellets MB	Glyceryl stearate citrate	Evonik	0.50
	Floraesters™ 15	Jojoba Esters	Cargill	12.00
	BotaniButter™	Behenyl/Oleyl Behenate/Oleate Esters	Cargill	2.00
C	CocoaDesign™ L	Cocoa Butter Ethyl Esters	Cargill	0.25
	White Lotus (444356-B)	Fragrance	Luzi	0.10
D	Euxyl K712	Sodium Benzoate (and) Potassium Sorbate (and) Aqua	Ashland	1.00
	Demineralized water	Aqua	---	5.00
E	Nicotinamide	Niacinamide (Vitamin B3)	Gova	0.10
	Citric acid (50%)	Citric Acid	Merck	0.10

CHARACTERISTICS

- **pH:** 5.48
- **Viscosity:** 15650 mPa.s (Brookfield RVDV 2T, RV5, 20 rpm, 1min)
- **Appearance:** white thick, creamy and smooth
- **Stability:** passed 1M RT & 45°C (2M ongoing) + 3 FT cycles

PROCESS

1. Heat the water phase at 60°C
2. Weigh all the ingredients of phase B and heat it to 60°C
3. Prepare phase D and let it mixed with a magnetic stirrer until entire dispersion
4. Add the propanediol in the main beaker then the water phase.
5. Disperse the Actigum Care in the water phase while mixing with a homomixer (IKA T25 digital Ultraturrax R/S head, 10000 rpm, 10min)
6. Add phase B to phase A while mixing with IKA T25 digital Ultraturrax R/S head (10000 rpm, 10min)
7. Let the mixture cool down to around 25°C with a blade (IKA Eurostar)
8. Add phase C and D and mix until homogeneous
9. Compensate any water loss and adjust the pH around 5.5 with phase E

FORMULATION TIPS

- Actigum™ Care needs enough energy to be deployed. It's very important to adapt the mixing time with the batch size.
- Recommendation: at step 4, viscosity at D0 should be around 4800-5200 mPa.s

Introducing **Actigum™ Care**, the new cutting-edge rheology modifier revolutionizing face creams. Formulated to perfection, Actigum™ Care seamlessly blends viscosity and creaminess, delivering a luxurious texture that enhances the application experience. Immerse yourself in the silky smoothness as this innovative ingredient refines the anti-aging cream, providing an indulgent feel and optimal spreadability. Elevate your skincare routine with Actigum™ Care – where science meets indulgence for a visibly radiant and youthful complexion.

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