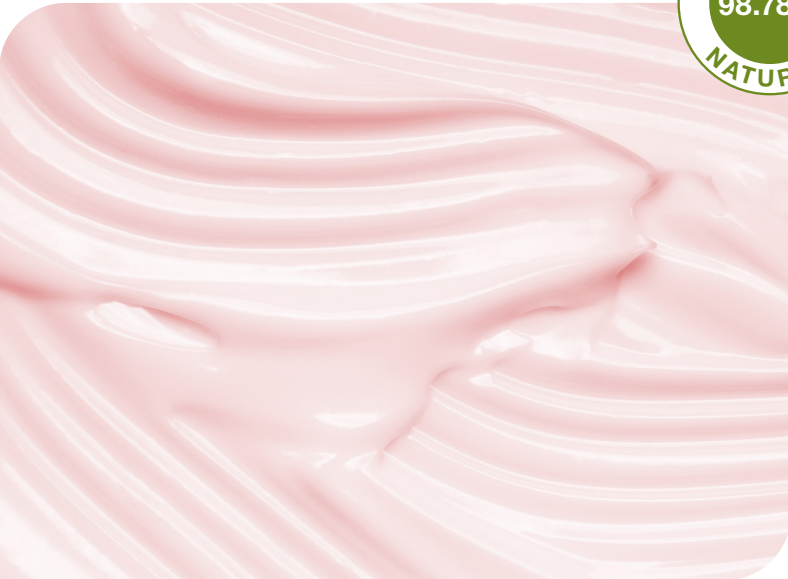


# PREPPY PRIMER

with BotaniDesign™, Actigum™ CS 11 QD, Florasun™ 90, Emultop™ Velvet IP and StarDesign™ Care



Phase	Trade Name	INCI	Supplier	%WT
A	Demineralized water	Aqua		66.557
	Glycerin	Glycerin	Cargill	5.00
	Actigum™ CS 11 QD	Sclerotium Gum	Cargill	0.80
B	Floramac™ 10	Ethyl Macadamiate	Cargill	10.00
	Florasun™ 90	Helianthus Annuus (Sunflower) Seed Oil	Cargill	5.00
	Emultop™ Velvet IP	Lecithin	Cargill	0.50
	Olivem 1000	Cetearyl Oliviate (and) Sorbitan Oliviate	Hallstar	3.00
C	BotaniDesign™	Hydrogentated Vegetable Glycerides	Cargill	5.00
	BYO-ASG3	Iron Oxides (CI 77492) (and) Stearoyl Glutamic Acid	Kobo	0.01
	BRO-ASG3	Iron Oxides (CI 77491) (and) Stearoyl Glutamic Acid	Kobo	0.01
D	StarDesign™ Care	Hydroxypropyl Starch Phosphate	Cargill	3.00
	Vitamin E	D-Alpha Tocopherol acetate	Cargill	0.10
	Iscaguard PEHG	Phenoxyethanol (and) Ethylhexylglycerin	ISCA	1.00
	Citric Acid	Citric Acid (and) Water	Cargill	0.023

## CHARACTERISTICS

- **Appearance:** Viscous Light Pink Primer
- **pH:** 5.5 - 6.0
- **Stability:** Passed 8 week stability at 4°C, RT, 45°C, and UV. Passed 4 cycles of Freeze/Thaw.
- **Viscosity (Brookfield RV DV-II + Pro 20rpm, RV-6):** 13,000 - 20,000 mPas



## PROCESS

1. Weigh water in a beaker and put under propeller mixing.
2. In a weigh boat, weigh Actigum™ CS 11 QD and glycerin to create a pre-mix. Add to beaker under mixing and heat to 65°C.
3. When Phase A reaches 65°C, homogenize at 6000 rpm for 10 minutes. Put back on propeller mixer and maintain at 65°C.
4. Weigh Phase B in a beaker and heat to 65°C. Add Phase B to Phase A under Silverson homogenizer at 4000 rpm for 10 minutes.
5. Add Phase C into a weigh boat and mix. Then slowly add Phase C to homogenizer at 4000 rpm until completely added. homogenize an additional minute once all of Phase C has been added.
6. Remove from homogenizer and place back on propeller mixing. Begin to cool to 40°C.
7. When temperature reaches 40°C, add preservative and mix well. Adjust pH to 5.5-6 with citric acid.

**PATENTS AND REGULATIONS** The information presented herein is intended to illustrate the possible technical applications of our products. However, since the use of this information and our products is beyond our control, any recommendations or suggestions are made without guarantee of warranty in each country and particularly in the absence of patent rights. In addition, we recommend that the user ensures that this product is in compliance with the local regulations in force, particularly in the country where the finished product is to be consumed. It is the responsibility of the user to comply with the patents and the regulations in force.

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