

ARMOR SKIN CREAM

with BotaniDesign™, Florasun™ 90, Floraesters™ 15 and Actigum™ CS 11 QD



A luxurious skin cream with **BotaniDesign™** giving long lasting hydration benefit that protects skin from drying effect.

Phase	Trade Name	INCI	Supplier	%WT
A	Water	Aqua		64.3907
	Actigum™ CS-11 QD	Sclerotium Gum	Cargill	0.60
	Glycerin	Glycerin	Cargill	5.00
B	Florasun™ 90	Helianthus Annuus (Sunflower) Seed Oil	Cargill	10.00
	Floraesters™ 15	Jjoba Esters	Cargill	10.00
	Olivem 1000	Cetearyl Oliviate (and) Sorbitan Oliviate	Hallstar	4.00
	BotaniDesign™	Hydrogenated Vegetable Glycerides	Cargill	5.00
C	Iscaguard PEHG	Phenoxyethanol (and) Ethylhexylglycerin	ISCA	1.00
	Citric Acid	Citric Acid	Cargill	0.0093

CHARACTERISTICS

- **Appearance:** Creamy white skin cream
- **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):** 9,000-16,000 cP



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 75°C.
3. Weigh raw materials in Phase B and heat to 70°C.
4. When Phase A reaches 75°C, homogenize at 5000rpm for 5 minutes (temperature should fall to 70°C during the homogenization process).
5. Add Phase B to Phase A slowly under homogenization. Once addition of all Phase B is complete, homogenize for 1 additional minute.
6. Remove from homogenizer and place back on propeller mixing. Begin to cool.
7. When temperature reaches 45°C, add preservative and mix well. Adjust pH to 5.5-6 with citric acid.