SILKY SMOOTH CONDITIONER

with BotaniDesign[™], StarDesign[™] Care, Actigum[™] CS 11 QD and StarDesign[™] Power



A creamy, luscious conditioner with **BotaniDesign™** provides conditioning effect for ease of combing, helping to prevent hair breakage while keeping hair soft and smooth!

Phase	Trade Name	INCI	Supplier	%WT
A	Demineralized water	Aqua		88.89
	Glycerin	Glycerin	Cargill	1.00
	Actigum™ CS 11 QD	Sclerotium Gum	Cargill	0.50
	StarDesign™ Care	Hydroxypropyl Starch Phosphate	Cargill	4.50
	StarDesign [™] Power	Sodium Starch Octenylsuccinate (and) Hydroxypropyl Starch Phosphate	Cargill	2.00
В	BotaniDesign™	Hydrogenated Vegetable Glycrides	Cargill	2.00
С	Iscaguard PE	Phenoxyethanol	ISCA	1.00
	Vitamin E	D-Alpha Tocopheryl Acetate	Cargill	0.10
	Ciric Acid	Citric Acid	Cargill	0.014

CHARACTERISTICS

- Appearance: creamy white conditioner
- **pH:** 4.0 5.0

DERIVER

- 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): 14,000 18,000 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. Weigh raw materials in Phase B and heat to 60-65°C until fully melted.
- 4. When Phase A reaches 65°C, homogenize at 6000 rpm for 5 minutes. Add StarDesign[™] Power and StarDesign[™] Care under homogenizer at 8,000 rpm and mix for an additional 5 minutes.
- 5. Add Phase B to Phase A slowly under homogenization at 8,000 rpm for 10 minutes. Remove from homogenizer and move to propeller mixer and mix slowly to avoid aeration. Begin cooling.
- 6. When temperature reaches 40°C, add preservative and Vitamin E one at a time under propeller mixing. Adjust pH to 4-5 using 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. www.cargillbeauty.com **Revision Date:** February 2024

