



Lotus Enlighten You Shampoo

with **GENUVISCO® CG-129 Carrageenan & ARBALON® R-50 (EV) Cellulose Liquid**

Sulfate free • Cold processed

Our shampoo has a luxurious feel and mimics the rheology of traditional, salt-thickened shampoos. COSMOS® certified ARBALON® R-50 (EV) Cellulose Liquid suspends the pearlescent mica without altering viscosity or feel. Our COSMOS® certified grade of lambda carrageenan thickens without gelling, creating a thick, smooth texture and high viscosity.



PROCESS

1. Dissolve sodium citrate in deionized water and begin propeller mixing at moderate speed.
2. Premix phase B ingredients and add to phase A, increasing speed as batch thickens. Mix 20 minutes.
3. Add ingredients from phase C and mix additional 10 minutes.
4. Add ingredients from phase D.
5. Adjust pH to 7.0-8.0 using Citric Acid (phase E).
6. Using a high-speed mixing blade, add ARBALON® R-50 (EV) Cellulose Liquid and mix at 1500 RPM for 5-10 minutes, minimizing air entrapment. Lower speed and add pigment, mixing until fully dispersed.
7. Deaerate if necessary and package.

KEY ATTRIBUTES

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Appearance	Pearlescent liquid
pH	7.0-8.0
Viscosity (Brookfield LV3C, 30 rpm)	6000-8000 cP
Yield Stress	2.5-2.8 Pa
Stability	1 month at 45°C

ORDER OF ADDITION	INGREDIENTS	INCI/CHEMICAL NAME	WEIGHT %
A	Deionized Water	Water	q.s.
	Sodium Citrate	Sodium Citrate	0.2
B	Zemea® Propanediol	Propanediol	4.0
	GENUVISCO® CG-129 Carrageenan	Carrageenan	3.5
C	Polyglucose	Decyl Glucoside	10.5
	Plantapon® LGC Sorb	Sodium Lauryl Glucose Carboxylate (and) Lauryl Glucoside	6.0
	Mackam® CBS 50 G	Cocamidopropyl Hydroxysultaine	5.0
D	Euxyl® pe 9010	Phenoxyethanol (and) Ethylhexylglycerin	0.8
	Panthenol	Panthenol	0.1
	Lotus Casaba S15-81084	Fragrance	0.5
E	Citric Acid	Citric Acid	q.s.
F	ARBALON® R-50 (EV) Cellulose Liquid	Glycerin (and) Cellulose (and) Cellulose Gum	3.0
	Xirona® Golden Sky	Silica (and) Titanium Dioxide (and) Tin Oxide	0.05

NOTES:

Zemea® is a trademark of DuPont Tate & Lyle Bio Products.
 Plantapon® is a trademark of BASF Care Creations.
 Mackam® is a trademark of Verdant Specialty Solutions.
 Euxyl® is a trademark of Ashland.
 WS Fragrance is supplied by Symrise Pure Scents.
 Lotus Casaba Fragrance is supplied by Premier Specialties, Inc.
 ARBALON® R-50(EV) Cellulose Liquid is distributed by Lubrizol
 Brookfield viscometer is a product of AMETEK Brookfield.

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