

PARADISE DAY CREAM

with CocoaDesign™ S, Floraesters® 15, Florasun® 90, Floramac® Macadamia Oil Refined, and Actigum® CS 11 QD



Phase	Trade Name	INCI	Supplier	%WT
A	Deionized Water	Water	-----	48.80
	Dissolvine® GL-47-S	Tetrasodium Glutamate Diacetate	Nouryon	0.10
	Actigum CS 11 QD	Sclerotium Gum	Cargill Beauty	0.40
B	Glycerin	Glycerin	Cargill Beauty	7.00
	Z-Cote® LSA-UC	Zinc Oxide	BASF Corporation	13.00
	Deionized Water	Water	-----	7.00
C	CocoaDesign™ S	(proposed) Hydrogenated Cocoa Butter Ethyl Esters	Cargill Beauty	6.00
	Pelemol® IN-2	Isononyl Isononanoate	Phoenix Chemical, Inc.	3.00
	Floraesters 15	Jjoba Esters	Cargill Beauty	3.00
	Florasun 90	Helianthus Annuus (Sunflower) Seed Oil	Cargill Beauty	3.00
	Floramac Macadamia Oil Refined	Macadamia Integrifolia Seed Oil	Cargill Beauty	1.50
	D-Alpha Tocopheryl Acetate	Tocopherol Acetate	Cargill Beauty	0.20
	Vercarem P3S	Polyglyceryl-3 Stearate	Jover Sciencetech	3.50
	Admul® SSL 1078 K	Sodium Stearoyl Lactylate	Kerry Group plc.	0.50
	Cutina® GMS-SE	Glyceryl Stearate SE	BASF Corporation	1.00
	Lanette® O	Cetearyl Alcohol	BASF Corporation	1.00
D	euxyl® PE 9010	Phenoxyethanol (and) Ethylhexylglycerin	Schülke Inc.	1.00

Enjoy a luxurious hydrating experience with this rich cream with **CocoaDesign™ S** and sun protection. Apply a spread of this cream, and escape to a paradise!

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. Cargill Beauty has not tested CocoaDesign™ S, Floraesters 15, Floramac Macadamia Oil Refined, or Florasun 90 in final OTC drug formulations. Compliance with FDA regulations is the responsibility of the customer.

Formula Number: S024, Revision Date: February 2023

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PROCESS

1. Mix the ingredients of Phase A with slow homomixing agitation at RT. Begin heating to 50-60°C.
2. In a separate vessel mix the Glycerin and Z-Cote LSA-UC of Phase B with propellor agitation at RT until uniform. Once uniform, slowly add the remaining ingredients of Phase B of Phase B with propellor agitation at RT until uniform
3. Add Phase B to Phase A with slow homomixing agitation at 50-60°C. Once uniform, switch to propellor agitation and heat to 65-70°C.
4. In a separate vessel, combine all ingredients of Phase C. Heat to 65-70°C with moderate propeller agitation until uniform.
5. Add Phase C to Phase AB with moderate propellor agitation at 65-70°C. Once uniform cool to 50-55°C.
6. Add Phase D to Phase ABC with moderate propellor agitation at 50-55°C. Begin cooling to 40-45°C.
7. Stop mixing at 40-45°C.

CHARACTERISTICS

- **Appearance:** Thick sunscreen
- **pH:** 7-8
- **Natural Content:** 98.9%
- **Viscosity:** Viscosity: 322-516kcP, Brookfield Digital Viscometer Model RVDV-E at RT, s94, 2.0rpm
- **Stability:** Passed Full Stability (through w8 4°C, RT, 45°C, DRT, UV; through w2 50°C; through 3 cycles FT; through 3 cycles HC)
- **SPF:** 15 (n=3)¹

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¹ Testing conducted by Eurofins CRL Inc. on a panel with a total of 3 (valid) subjects for static SPF testing. Testing was conducted according to the US FDA Final Rule; 21 CFR Parts 201 and 310.

