

spa eye balm

formula # 100-10104

material # 851683

claim to fame

—
Relaxing eye balm

○
luxurious cost-effective

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○
Cold process gel cream

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○
silky smooth finish

description

Very luxurious cost-effective gel cream that does not break, but has a continuous rub-in and rich feel that is a signature for many high-end creams. This texture is achieved by combining a high level of RapiThix™ A-100 polymer with about only 2% silicone elastomers. The pleasant application of this cream gel helps the eye area to feel relaxed and pampered with a silky smooth finish.

ingredients

GP4G™ SP biofunctional

A unique Plankton extract essential for cell metabolism and skin wellness that helps skin maintain a healthy appearance.

RapiThix™ A-100 polymer

Easy to use polymer that does not require neutralization. Provides viscosity and formula stability without the use of an emulsifier.

Optiphen™ preservative

Broad-spectrum preservative, paraben-free, effective at pH 4 to 8.

typical properties

description: light blue cream gel

pH: 5.3 – 5.8

viscosity (D0): 80 000 – 130 000 cps

(Brookfield RVT | Spindle C | 5 RPM | 1 minute | 25°C)

This formula has passed 3-month accelerated lab stabilities and a 28-day challenge efficacy test. However, the preservative system has not been optimized to its lowest effective level.

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ingredients (trade name INCI)		% w/w	supplier
phase A			
purified water	Water/Aqua	Qs. 100	Local
Tetrasodium EDTA	Tetrasodium EDTA	0.01	Local
phase B			
RapiThix™ A-100 polymer	Sodium Polyacrylate	1.80	Ashland
phase C			
Belsil* DM 3096	Dimethicone (and) Dimethiconol	10.00	Wacker
Cegesoft* VP	Vegetable oil (and) Hydrogenated vegetable oil (and) Candelilla Wax	3.00	BASF
phase D			
DowSil* 9701 Cosmetic Powder	Dimethicone/Vinyl Dimethicone Crosspolymer (and) Silica	1.00	Dow Chemical
phase E			
Optiphen™ preservative	Phenoxyethanol (and) Caprylyl Glycol	0.50	Ashland
Propanediol	Propanediol	5.00	Local
phase F			
GP4G SP™ biofunctional	Water/Aqua (and) Artemia extract	1.00	Ashland
Unicert* Blue 05601-J (sol. 0.1%)	CI 42090 (blue 1)	0.20	Sensient
total		100.00%	

procedure

1. Homogenize phase A in the main vessel
2. At 25°C, sprinkle in phase B and homogenize during 10 minutes until homogeneous
3. At 25°C, prepare phase C in a side beaker, homogenize until homogeneous. Sprinkle in phase D and mix well until homogeneous
4. At 25°C, add phase C+D in the main vessel and mix until homogeneous
5. At 25°C, add phase E in the main vessel and mix until homogeneous
6. At 25°C, add phase F in the main vessel and mix until homogeneous
7. Stop when the color is uniform.

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