

FORMULATION SHEET

ELEMENTIS

Aqua Gel Cream

F-4018-04

DESCRIPTION

A uniquely formulated water-in-oil cream engineered with precision refractive index alignment for a stunning semi-translucent look. Boasting a high water content, it delivers intense hydration without the heavy, greasy feel of traditional water-in-oil creams.

Phase	Ingredient	Supplier	%w/w
A1	Water		45.05
	Disodium EDTA	Nouryon	0.05
	Magnesium Sulfate	SinoPharm	0.70
	Glycerin (Glycerin USP 99.5 PCT)	Palmedia	30.00
	Butylene Glycol (1,3 BG)	Oxea	3.00
	A2	1,2-Hexanediol (Hydrolite® 6 green)	Symrise
	Butylene Glycol (1,3 BG)	Oxea	2.00
	Hydroxyacetophenone (effisin™ hda)	Ashland	0.20
B	Dimethicone (and) PEG-10 Dimethicone (and) Distearidimonium Hectorite (and) Tocopherol (BENTONE® LUXE DM)	Elementis	6.00
	Dimethicone (KF-96L-1,5cs)	Shin-Estu	7.00
C	SD Alcohol 40-B		5.00

PROCEDURE

1. Combine Phase A1 and Phase B separately, mixing each until clear and uniform.
2. Heat Phase A2 to 60–65°C and add it to Phase A1. Mix until fully uniform.
3. Slowly dose the combined Phase A1/A2 into Phase B under continuous mixing. Continue the addition only once complete water-in-oil encapsulation is achieved.
4. Homogenize for 5 minutes.
5. Slowly add Phase C and mix until uniform.

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SPECIFICATIONS

Viscosity: RVDV-II. Spindle 94. 6rpm 50,000-100,000 cps

Appearance: Translucent cream

ADVANTAGES

BENTONE® LUXE DM acts as the sole emulsifier and suspending agent, giving good emulsifying properties, helping to stabilise the system by providing suspension to high concentration of water droplets. It provides a light weight skin feel and ensures excellent stability.

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