

Category: Skincare

**AG1-096: Natural BioMade Hemp Ester Cream**

Ingredient	INCI	Supplier	W/W%
<b>Phase A (aqueous)</b>			
DI Water	Water	--	67.8
Glycerin	Glycerin	Alzo International	3
Phenoxtetol	Phenoxyethanol	Clariant	0.5
Caustic Soda, 0.25%	Sodium Hydroxide	Alzo International	0.4
Dermol CG	Caprylyl glycol	Alzo International	0.3
Veegum Ultra	Magnesium Aluminum Silicate	Vanderbilt Minerals	1
XG FNCSP-PC	Xanthan Gum	Jungbunzlauer (Univar)	0.5
<b>Phase B (oils)</b>			
BioMade IS-HS	Isostearyl Cannabis Seedate	Alzo International	8
BioMade SA-HS	Stearyl Cannabis Seedate	Alzo International	8
Wickenol 535	Wheat Germ Glycerides	Alzo International	5
Stearyl Alcohol	Stearyl Alcohol	Alzo International	4
Mulls 2218	Behenoyl Stearic Acid	Alzo International	1.5
<b>Phase C (pH adjuster)</b>			
Citric Acid	Citric Acid	Alzo International	QS
<b>Total</b>			<b>100.0</b>

**Manufacturing Procedure:**

- 1) In a beaker combine Phase A, except Veegum & Xanthan Gum, and begin heating to 75-80°C. Slowly add Veegum & Xanthan Gum under agitation and mix until dispersed.
- 2) In a side beaker combine the oil phase ingredients. Heat both phases to 75-80° C
- 3) Slowly add oil phase to water phase to create emulsion. Homogenize for 10 minutes at 6,000 rpm (use lower speed if necessary, to reduce aeration).
- 4) Cool down at ~3,000 rpm. At room temperature, if necessary, use citric acid to adjust pH down to 7.5-8.1.

**Alzo Ingredient Benefits:**

**BioMade IS-HS** – naturally-derived hemp ester with improved color and lighter aesthetics than pure hemp seed oil

**BioMade SA-HS** - naturally-derived butter-like ester that melts at body temperature. Provides melting sensation & creaminess, and is a softer alternative to shea or cocoa butters

**Dermasperse MG System** – naturally-derived, synergistic emulsification system, combining **Mulls 2218 & Wickenol 535**, that can stabilize high level of oils & provides elegant skin feel