

C-194

HAND CREAM

COLD PROCESS

GUIDELINE FORMULARY

DESCRIPTION

Moisturizing effect
Excellent stability and appearance
Room temperature process

COMPOSITION

	%
EMANON® EV-E	2.0
KAOPAN® SP-O10	0.5
Mineral Oil	8.0
Isopropyl Myristate ⁽¹⁾	7.0
Glycerine	3.0
Propandiol Dicaprylate ⁽²⁾	1.5
Tocopheryl Acetate	1.0
Carbomer ⁽³⁾	0.2
KAO Fragrance	q.s.
Preservative ⁽⁴⁾	q.s.
NaOH (10% solution)	q.s.
Deionized Water	Up to 100

(1) Waglinol® 6014 from Lasem

(2) Dub® Zenoat from Stearinerie Dubois Fils

(3) Carbopol® Ultrez 10 from Lubrizol

(4) Glydant® Plus from Lonza

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	White emulsion	KCSA-258
pH (as it is):	5.5 - 6.0	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 15,000	KCSA-227
STABILITY TEST:	Correct	(2 months 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Mix EMANON® EV-E and KAOPAN® SP-O10 at room temperature.

In a separate vessel mix the fatty phase (Mineral oil, Isopropyl Myristate, Propandiol Dicaprylate and Tocopheryl Acetate) and add it to the emulsifiers blend.

Once it is homogeneous, add Glycerine.

Disperse the Carbomer in water at room temperature and add it slowly to the main vessel.

Add the additives and adjust pH to 5.5 - 6.0 with NaOH (10% solution).

COMMENTS

This room temperature process formula has moisturizing effect, and an excellent stability and appearance.

COMPONENTS

EMANON® EV-E (Glycereth-7 Caprylate/Caprata, ≈ 100% a.m.): non-ionic character. Vegetable based, liquid product. Excellent emulsifier and solubilizer for hydrophobic materials, with HLB ≈ 16. Suitable for both rinse-off and leave-on products in hair and body applications. Key ingredient to achieve high foamability and smooth feeling.

KAOPAN® SP-O10 (Sorbitan Oleate, ≈ 100% a.m.): non-ionic character. Main application as emulsifier. HLB ≈ 4.3.

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