

C-313

BODY LOTION

MOISTURIZING

GUIDELINE FORMULARY

DESCRIPTION

After-shower lotion
Fast-absorbing and non-greasy

COMPOSITION

	%
KAO SOFCARE® GP-1	6.0
KALCOL® 6850	3.5
EXCEPARL® LM-LC	3.0
QUARTAMIN® BTC-131	2.1
Glycerine	2.0
Isopropyl Myristate ⁽¹⁾	1.0
Preservative ⁽²⁾	q.s.
Sodium Hydroxide (50%)	q.s.
Deionized water	Up to 100

(1) Waglinol 6014 from Lasem

(2) Saliguard® PG from Salicylates & Chemicals PVT. LTD

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	White emulsion	KCSA-258
pH (as it is):	Approx. 6.0	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 8,000	KCSA-227
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Charge KAO SOFCARE® GP-1, KALCOL® 6850, EXCEPARL® LM-LC, QUARTAMIN® BTC-131 and Waglinol 6014.

Heat up to 70°C and stir until complete homogeneous.

In a separate vessel mix deionized water and Glycerine.

Incorporate aqueous phase to the main vessel slowly. Keep agitation at 70°C for 1h.

Cool down temperature until 40-30°C.

Adjust pH with sodium hydroxide (50%).

Add preservative. Stir until complete homogeneous.

Homogenize the formula with an homogeneizer for 5 min at 10,000 rpm.

COMPONENTS

EXCEPARL® LM-LC (Lauryl Lactate, ≈ 100% a.m.): non-ionic character. Liquid ingredient derived from renewable sources. Thickener for cleansing compositions. It can be added at room temperature. Recommended dosage for rinse-off formulations, between 0.3 and 3%. For skin care application, it performs as skin emollient with high/medium spreadability and low oiliness. Recommended use percentage for skin care is 10% max. Excellent solubilizing properties for UV-filters.

KALCOL® 6850 (Cetearyl Alcohol, C1618:50/50 approx., ≈ 100% a.m.): non-ionic character. Co-emulsifier and thickener. Low substantive conditioning properties. Suggested dosage: 1 - 5%.

KAO SOFCARE® GP-1 (PPG-3 Caprylyl Ether, ≈ 100% a.m.): non-ionic character. Clear transparent liquid at room temperature. Multi-functional conditioning agent that imparts similar characteristics to those of silicones, such as feel and functionality. It improves foam generation and hair shine.

QUARTAMIN® BTC-131 (Behenoyl PG-Trimonium Chloride, ≈ 70% a.m.): cationic character. Conditioning surfactant. It provides smoothness, shine and anti-static properties to the hair, making easy to comb it. It doesn't present cumulative effect. Environmentally friendly cationic surfactant.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose.

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