Formulation Name **5 in 1 Combing Cream**
Formulation Number **HC-014-23-YL-TT**

Formulation Description

This light non-greasy Combing Cream acts as a detangler providing slip to reduce friction and prevent hair breakage. It offers curl definition as it smooths and shapes hair and controls frizz. It helps to replenish and hydrate the hair for a healthy look. Harmonie™ GB-2301 blend provides enhanced conditioning and shine without weighing hair down.

PHASE	TRADE NAME	INCI NAME	SUPPLIER	WT (%)
A	Water	Aqua		q.s.
	Hydrolyzed Keratin	Hydrolyzed Keratin	Making Cosmetics	1.00
	Colonial 18S	Stearamidopropyl Dimethylamine	Colonial Chemical	2.00
	Lactic Acid 90% solution	Lactic Acid (and) Aqua	Jungbunzlauer	0.70
	Dissolvine NA2-S	Disodium EDTA	Nouryon	0.05
B	Kalcol 6850	Cetearyl Alcohol	Kao Chemicals	5.00
	Harmonie™ GB-2301 blend	**C9-12 Alkane (and) Dimethiconol**	**Momentive**	**8.00**
	Harmonie™ Soft fluid	**C9-12 Alkane**	**Momentive**	**3.00**
C	Euxyl PE 9010	Phenoxyethanol (and) Ethylhexylglycerin	Ashland	0.70
	Coral Reef Fragrance	Fragrance	Making Cosmetics	0.30

Laboratory Procedure

1. Combine Phase A and heat to 65°C.
2. Mix Phase B in a separate vessel and heat to 65°C.
3. Add Phase B to Phase A and homogenize for 5 minutes.
4. Cool the emulsion to 40°C while stirring and add Phase C, slowly mixing with propeller blade until homogeneous.

Typical physical properties

- Appearance: Opaque white cream
- Viscosity at 25°C: 11,500cP – 13,000cP
- Stability: 2 months at RT and 45°C
- Freeze-thaw stability: 3 cycles

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