

1 EXTRASOME LG-01

Concept

Perfectly Natural Oil Gelling Agent

Regulation

INCI : Listed

Chinese INCI name : Listed

Japanese Standard Quasi-drug Ingredient : Approved

2 Features

1. Lecithin based powdery composite
2. Perfectly natural based concept
3. High gelling efficacy

⇒recommended dosage: 0.5wt%

4. Good conformity with the regulation of many countries



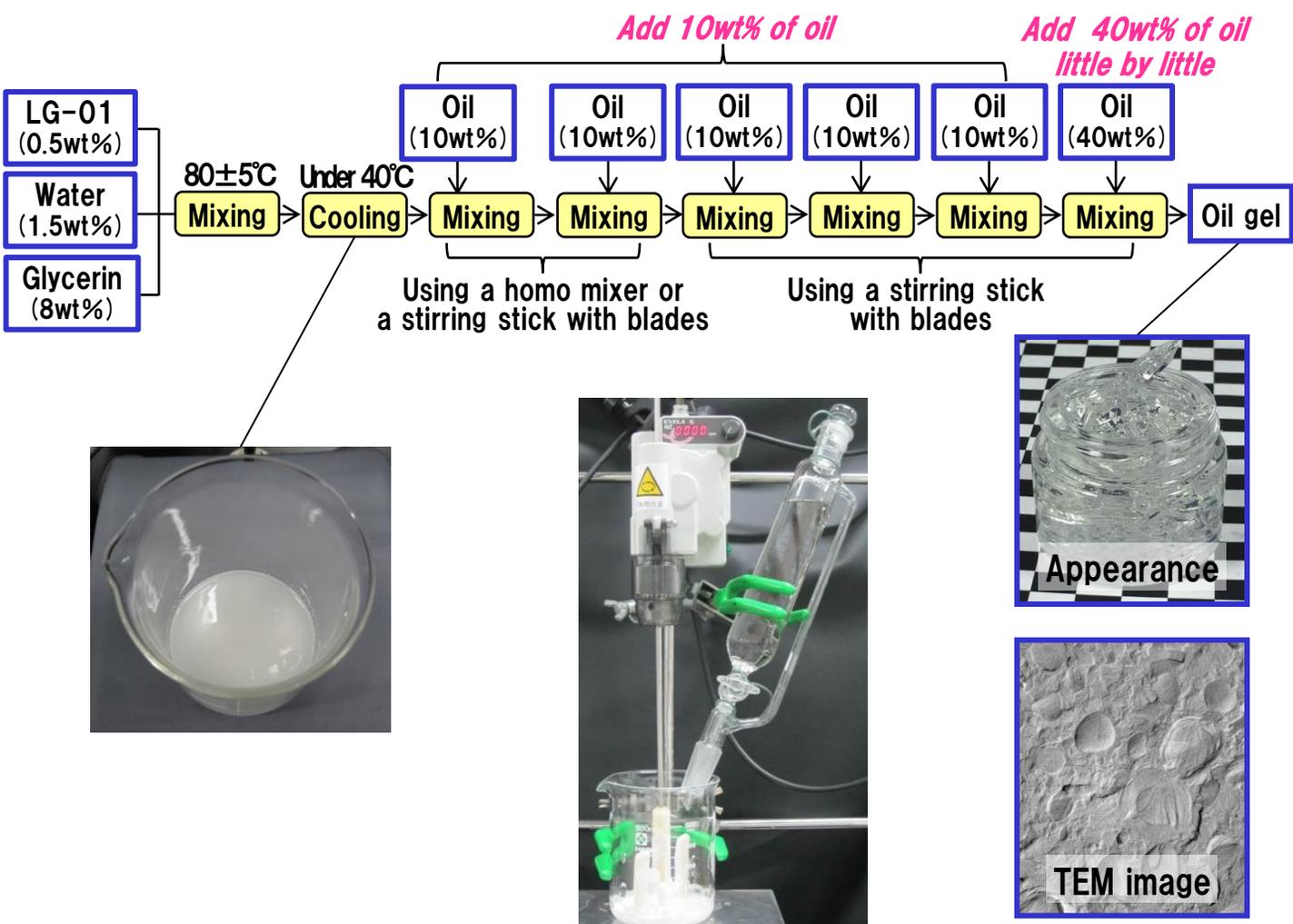
3 Features of oil gel made from LG-01

1. Adoptable to *Free-from concept*
(paraben-free, synthetic surfactant-free etc.)

2. Controllable transparency
3. Available for any kind of oils
4. Good storage stability & heat resistance
5. A structure recovering property
6. Excellent sensory (Gel to Liquid transformation)



4 Preparation



5 Formulation ① Oil gel

Product name	INCI	wt%		
EXTRASOME® LG-01	Listed	0.5	0.5	0.5
RG·CO·P	Glycerin	8.0	8.0	8.0
-	Water	1.5	1.5	1.5
Macadamia nut oil	Macadamia ternifolia seed oil	90	-	-
PARLEAM®	Hydrogenated polyisobutene	-	90	-
KF-96A-20sc	Dimethicone	-	-	90

6 Formulation②Hot cleansing gel

Product name	INCI	wt%	
		①	②
EXTRASOME®LG-01	Listed	0.5	0.5
RG·CO·P	Glycerin	29.5	39.5
-	Water	1.5	1.5
-	Olea Europaea (Olive) Fruit Oil	65	55
UNIGRY MK-207G	PEG-7 Glyceryl cocoate	3.5	3.5

Viscosity (25°C) ①961,000 mPa·s
②245,000 mPa·s

7 Safety Data

- Human patch testing (40 adults, Occlusive patch 24hours)

Sample concentration : 5.0% pet.

Skin irritation index* ≤ 5 : Safe

*T. Sugai, et al., J. of Japanese Cosmetic Science Society, Vol. 19, supp. 49-56 (1995)

- In vitro eye irritation test (OECD TG 492)

Sample concentration : 1.0% pet.

Mean cell viability >60%; Non-irritant

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