

## W/O EMULSIFIED LIPSTICK <Stick> WIL-63

Emulsified lipstick using **GP-1** and **EB-21** that can gelatinize oils at low concentration.  
This lipstick is watery and smooth.

	Trade name	INCI Name	wt %	Function
A	<b>GP-1</b>	<b>Dibutyl Lauroyl Glutamide</b>	2.4	Gelatinization agent
	<b>EB-21</b>	<b>Dibutyl Ethylhexanoyl Glutamide</b>	1.6	Gelatinization agent
	RISONOL 18SP *1	Isostearyl Alcohol	12.0	Emollient
	NAA-142 *2	Myristic Acid	3.2	Viscosity adjuster
B	NIKKOL sugar squalene *3	Squalane	15.0	Emollient
	RHEOPEARL KL2 *4	Dextrin Palmitate	0.8	Viscosity adjuster
C	<b>ELDEW PS-203R</b>	<b>Phytosteryl/Octyldodecyl Lauroyl Glutamate</b>	2.0	Emollient
	TCG-M *5	Caprylic/Capric Triglyceride	20.0	Emollient
	EMALEX GMS-F *6	Glyceryl Stearate	0.5	Emulsifier
D	Colorant		q.s.	Colorant
E	Sodium Benzoate	Sodium Benzoate	0.2	Preservative
	REODOL TW-O120V *7	Polysorbate 80	0.5	Emulsifier
	Water	Water	30.4	-
<b>Total</b>			<b>100.0</b>	

\*1,5 Kokyu Alcohol Kogyo, \*2 NOF, \*3 NIKKOL Chemicals, \*4 Chiba Flour Milling,  
\*6 Nihon Emulsion, \*7 Kao

### <PROCEDURE>

- Mix part A and then heat it to 107°C with stirring until GP-1 and EB-21 are dissolved completely.
- Mix part B at room temperature and then heat it to 90°C with stirring until RHEOPEARL KL2 is dissolved completely.
- Add part B, C to part A with stirring around at 95°C.
- Disperse part D into part A-C.
- Mix part E and then heat it to 90°C.
- Emulsify adding part E into part A-D at 3,000-5,000 rpm with homomixer.
- Pour the bulk into lipstick containers around 90°C and then cool it down at room temperature.

### <PHYSICAL PROPERTIES and STABILITY>

Appearance: Stick

Recommended container: Sealed direct filling containers only\*

Maximum load when measuring needle penetration strength [g]: 140g (FUDOH RHEOMETER RT-3002D Range 2kg, Adapter 3mmφ, Speed 6cm/min, Depth 15mm, 25°C, 30ml jar container)

Stability: -5°C, 50°C, Cycle, 1 Month

5°C, 25°C, 40°C, 3 Month

\*When filling, be careful not to overheat. (If you heat it too much during filling, the water will evaporate and many holes will be created inside the stick.)

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