

Licorice Extract Fade Lotion No. 604

		Wt.%
A	VEEGUM® <i>Ultra</i> Magnesium Aluminum Silicate	1.5
	Water	65.8
	Propanediol (Zemea® Propanediol ¹)	5.0
	Disodium EDTA	0.2
	Panthenol and Propylene Glycol (D-Panthenol 50-P ²)	0.4
B	White Petrolatum	5.0
	Dimethicone (XIAMETER® PMX-200 Silicone Fluid 350cs ³)	1.0
	Polyglyceryl-3 Distearate (Cremophor® GS 32 ²)	3.0
	Ceteareth-25 (Cremophor® A 25 ²)	1.5
	Cetearyl Alcohol	3.0
	Tocopherol Acetate (Vitamin E Acetate USP/EP/FCC ²)	0.5
	Glyceryl Stearate (and) PEG-100 Stearate (Arlacel® 165 ⁴)	2.0
C	Ethyl Hexyl Methoxycinnamate (Neo Heliopan® AV ⁵)	7.5
C	Glycyrrhizza Glabra (Licorice) Root Extract (Licorice Extract CG 4% ⁶)	0.5
	Ethanol, USP	3.0
D	Retinyl Palmitate (Vitamin A Palmitate PH. EUR/USP/FCC ²)	0.1
E	Preservative	q.s.
	Triethanolamine, 99%	q.s.

Procedure: While heating the water to 70-75°C, slowly add the **VEEGUM® *Ultra*** while agitating at maximum available shear. Mix until fully hydrated. Add the remaining Part A water phase ingredients. Maintain the water phase at 70-75°C. Combine the Part B oil phase ingredients and heat to 70-75°C. Add the oil phase to the water phase with good agitation; mix until uniform. Cool while mixing to 40-45°C. Dissolve the licorice extract in the ethanol under agitation and then add Part C to the emulsion; mix until uniform. Warm the retinyl palmitate to liquefy and make uniform prior to weighing out. Add the retinyl palmitate and the preservative in order to the emulsion, mixing after each addition until uniform. Adjust as necessary to pH 6.0 ± 0.5.

RAW MATERIAL SUPPLIERS

- ¹DuPont Tate & Lyle Bio Products Company, LLC, Wilmington, DE
- ²BASF Corporation, Florham Park, NJ
- ³Dow Corning Corporation, Midland, MI
- ⁴Croda, Inc., Edison, NJ
- ⁵Symrise, Teterboro, NJ
- ⁶Sabinsa Corporation, Piscataway, NJ

TRADEMARKS

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- Cremophor is a registered trademark of BASF Aktiengesellschaft.
- Neo Helipan is a registered trademark of Haarmann & Reimer GmbH.
- Xiameter is a registered trademark of Dow Corning Corporation.
- Zemea is a registered trademark of DuPont Tate & Lyle Bio Products Company, LLC.