

## Guide Formulation

## Pickering Emulsion: Face Cream (o/w) with AEROSIL® R 816 and SPHERILEX® 10 PC

We are leaving the traditional way of stabilizing emulsions with particle stabilized emulsions.

PHASE	INGREDIENTS	INCI NAME	W/W %	FUNCTION
1		Water	ad. 100.00	Water
		Glycerin	11.00	Humectant
		Preservative	q.s.	Preservative
2	AEROSIL® R 816	Silica cetyl silylate	2.00	Particle based stabilizer
3		Caprylic/capric triglyceride	11.00	Emollient
		Argania spinosa (Argan) kernel oil	7.00	Emollient
		Persea gratissima (Avocado) oil	5.00	Emollient
		Tocopheryl acetate	0.10	Antioxidant
		Xanthan gum	0.20	Rheology modifier
4		Fragrance	q.s.	Fragrance
5	SPHERILEX® 10 PC	Hydrated silica	2.00	Sensory modifier
		<b>Total</b>	<b>100.00</b>	

HPC 1523/4-1

## PROCESSING

- Combine and mix all components of phase 1.
- Add AEROSIL® R 816 slowly to the water phase while gentle stirring until all silica has been incorporated.
- Homogenize.
- Combine all ingredients of the oil phase 3 and gently add to the water phase at moderate speed.
- Homogenize with high shear mixing.
- Add phase 4 and 5 and mix with moderate speed.

**NOTE:** All formulations have been subjected to stability tests and have been shown to perform well. However, formulators should always perform their own stability tests when adapting formulations and / or using raw materials from other sources.

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