

Sunscreen Formulation: OBSA XP75 MCT (W/O Emulsion)

		Dispersion	INCI/ Preservatives	Unit	%
Phase 1/1	2	Antaria - XP75 MCT Dispersion	INCI: Antaria - XP75 MCT Dispersion	g	30-40
		Product Name	INCI/Preservatives	Unit	%
Phase 1/2	1	MCT Oil	INCI: Medium-Chain Triglycerides	g	34-43
	3	Candelilla Wax	INCI: Euphorbia Cerifera Wax	g	1-3
	4	PGPR	INCI: Polyglyceryl-3 Polyricinoleate	g	1-3
	5	Cetyl Phosphate	INCI: Cetyl Phosphate	g	1-4
Phase 2	6	Purified Water	INCI: Aqua	g	11-21
	7	Morton Salt	INCI: Sodium Chloride	g	0.2-0.5
	8	Glycerin	INCI: Glycerin	g	0.5-0.9
	9	Xanthan Gum	INCI: Xanthan Gum	g	0.02-0.08
	10	Dehydroacetic Acid	INCI: Dehydroacetic Acid	g	0.4-0.8
	11	Ethylhexylglycerin	INCI: Ethylhexylglycerin	g	0.2-0.6

*Numerics: The order of addition of ingredients.

Test Results

A trial batch was manufactured, and the analysis performed - according to our approved method (FDA, ISO 24443:2021, ISO 24444:2020). Note the results are the outcome of our manufacturing process.

- Zinc Oxide Percentage (%): 24.4%
- In-Vitro SPF: 47

Disclaimer

- The final SPF and Zinc Oxide percentage results are subject to change based on manufacturing and production processes.
- Therefore, testing of SPF and Zinc Oxide percentage is necessary when producing the first trial of sunscreen, as well as when manufacturing each of the following batches, in order to ensure compliance and efficacy. SPF and ZnO% values above are not a warranty from our part, as the manufacturing and each dispersion assay are a variable. SPF broad spectrum should be performed in accordance with the local regulatory guidelines. This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.
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