

Baby Sun Protection Cream SPF 50

Formula Number: JZ13-52

This formulated mineral dispersion cream was designed to provide globally acceptable SPF 50 performance with baby-suitable mildness. It is water-resistant, preservative-free, and can be customized using natural butters and oils. The combination of Biochemica Chamomile Butter and Biochemica Olive Oil-Ultra Refined softens, moisturizes and helps heal baby skin, and contributes a nice fragrance. Olive oil properties are also present in natural, COSMOS-certified Olivem 900 ... another great fit for baby skin care!

In vivo testing in a US laboratory (5 subjects) yielded static SPF 59. Colipa Guideline (2011) delivered SPF ~ 55, PFA (PPD) ~19 performance with critical wavelength 376 nm.

Phase	INCI Name [INN/USAN] (Other Information)	Trade Name	% Wt	Function
A	Hydrogenated Vegetable Oil, Prunus Amygdalus Dulcis (Sweet Almond) Oil, Chamomilla Recutita (Matricaria) Flower Extract	Biochemica® Chamomile Butter	37.00	Emollient
	Polyhydroxystearic Acid		0.60	Dispersing Agent
	Olea Europaea (Olive) Fruit Oil	Biochemica® Olive Oil Ultra Refined	Up to 100	Emollient
	Zinc Oxide [Zinc Oxide] (60%), Butyloctyl Salicylate, Triceteareth-4 Phosphate, Triethoxycaprylylsilane	HallBrite® EZ FLO ZDX	14.00	UV Filter/Sunscreen Agent/Carrier System
B	Zinc Oxide [Zinc Oxide]		13.00	UV Filter/Sunscreen Agent
C	Sorbitan Olivatate	Olivem® 900	5.00	Stabilizing Agent
	Silica		8.00	Deoiling Agent

PREPARATIVE PROCEDURE

1. In the main vessel, combine and mix phase A and heat up to 75°C with mixing.
2. Add phase B in with mixing until uniform, then add phase C in.
3. After uniform, start cooling. Stop mixing at 60°C.

PRODUCT CHARACTERISTICS (25°C)

Appearance (25°C): white soft cream