

# Baby Skin lotion

This nourishing, non-greasy, fast-absorbing formula moisturizes normal baby skin and protect it from dryness, while leaving your little one's skin super soft from head to toe. Nipaguard SCE offers a save preservation with a low preservative load due to a strong synergism between Sorbitan Caprylate and Benzoic Acid.

## Preservation system: Nipaguard SCE

- Reduced preservative load
- COSMOS approved
- Globally approved
- Broad spectrum preservation
- Easy to handle and to process

Preservative system	Use Conc.	Efficacy @ pH 5.5					
		Pa	Sa	Ec	Ca	Ab	TOTAL
Unpreserved	blank	A	B	F	F	B	FAIL
<b>Nipaguard SCE</b>	<b>1.0%</b>	A	A	A	A	A	<b>PASS*</b>

## Other key ingredients to the formula

Ingredients	Key Benefits
<b>Plantasens Olive Squalane</b>	<ul style="list-style-type: none"> <li>• Skin softness enhancement</li> <li>• Upcycled from olive oil production</li> <li>• Transparent and nearly odorless</li> <li>• COSMOS approved</li> </ul>
<b>Plantasens Emulsifier DGI</b>	<ul style="list-style-type: none"> <li>• Powdery Skin feel</li> <li>• COSMOS approved</li> <li>• EO free</li> <li>• Cold processable</li> </ul>

Challenge test data according to ISO 11930. requirements

**F:** Fail **A:** Passed A Criteria **B:** Passed B Criteria

**Pa:** *Pseudomonas aeruginosa*; **Sa:** *Staphylococcus aureus*; **Ec:** *Escherichia coli*; **Ca:** *Candida albicans*; **Ab:** *Aspergillus brasiliensis*

# Baby Skin Lotion

AVI 5825

	Trade Name / INCI	Function	% w/w
A	<b>Plantasens Emulsifier DGI (Clariant)</b> <i>Polyglyceryl-2-Sesquiosostearate</i>	Emulsifier	0.50 %
	<b>Hostaphat KL 340 D (Clariant)</b> <i>Trilaureth-4 Phosphate</i>	Emulsifier	2.00 %
	Mineral Oil <i>Paraffinum Liquidum</i>	Emollient	2.00 %
	<b>Plantasens Refined Organic Babassu Butter (Clariant)</b> <i>Orbignya Oleifera Seed Oil</i>	Emollient	2.00 %
	<b>Plantasens Olive Squalane (Clariant)</b> <i>Squalane</i>	Emollient	2.00 %
	<b>Plantasens Refined Olive Oil (Clariant)</b> <i>Olea Europaea (Olive) Fruit Oil</i>	Emollient	1.00 %
	<b>Plantasens Refined Macadamia Oil (Clariant)</b> <i>Macadamia Ternifolia Seed Oil</i>	Emollient	2.00 %
	Lanette O <i>Cetearyl Alcohol</i>	Co-Emulsifier	2.00 %
B	Water	Diluent	ad 100%
	Glycerin 85%	Humectant	3.00 %
C	<b>Aristoflex Velvet (Clariant)</b> <i>Polyacrylate Crosspolymer-11</i>	Rheology modifier	0.50 %
D	<b>Nipaguard SCE (Clariant)</b> <i>Sorbitan Caprylate (and) Benzoic Acid (and) Propanediol</i>	Preservative	1.00 %
E	Citric Acid/ Sodium Hydroxide (20%)	Neutralizer	Q.s pH 5.5

## Procedure

- I Mix components of A and heat to 80°C.
- II Mix components of B in the main beaker,
- III Add C slowly to II and stir until the polymer is fully hydrated and a gel is formed. Heat to 80° C
- IV Add I to III and homogenize with a high shear mixer at 19000 rpm for 2 min.
- V Switch to a finger stirrer, stir at 300 rpm and allow to cool down.
- VI Add D to V and homogenize.
- VII Finally adjust pH with E to 5.5.

## Results:

**Appearance:** White Cream

**pH:** 5.5

**Viscosity:** 5000 mPas  
(Brookfield, 20rpm; 20°C)

**Stability** 12 weeks @ RT, 40°C.