

# Pump up your foam

Very mild baby formulation with an effective surfactant combination, on cleansing and low irritation potential. GlucoTain Care takes care of the skin while GlucoTain Plus supports the flash foam of the formulation. Nipaguard SCL offers a save preservation at higher pH with a low preservative load due to a strong synergism between Sorbitan Caprylate and Potassium Sorbate.

## Preservation system: Nipaguard SCL

- Based on 100% renewable Velsan SC synergistic booster
- COSMOS-approved
- Reduced preservative load

Preservative system	Use Conc.	Efficacy @ pH 6.3					
		Pa	Sa	Ec	Ca	Ab	TOTAL
Unpreserved	blank	F	F	F	A	B	FAIL
<b>Nipaguard SCL</b>	<b>1.5%</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>PASS*</b>

## Other key ingredients to the formula

Ingredients	Key Benefits
<b>Hostapon CCG</b>	<ul style="list-style-type: none"> <li>• Moderately mild to skin</li> <li>• fluffy foam</li> </ul>
<b>GlucoTain Plus</b>	<ul style="list-style-type: none"> <li>• Ultra-mild to skin,</li> <li>• airy foam,</li> <li>• gentle cleansing</li> </ul>
<b>GlucoTain Care</b>	<ul style="list-style-type: none"> <li>• Ultra-mild to skin,</li> <li>• creamy foam,</li> <li>• conditioning</li> <li>• gentle cleansing</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*

# Pump up your foam

AI 4020

	Trade Name / INCI	Function	% w/w
A	Water	Diluent	Ad 100 %
	Tetrasodium EDTA	Chelating Agent	0.20 %
	Glycerin 85%	Humectant	<b>4.00 %</b>
B	<b>Hostapon CCG (Clariant)</b> <i>Sodium Cocoyl Glutamate</i>	Surfactant	<b>6.00 %</b>
	<b>GlucoTain Care (Clariant)</b> <i>Cocoyl Methyl Glucamide</i>	Surfactant	<b>7.00 %</b>
C	Genagen KB <i>Coco Betaine</i>	Surfactant	14.65 %
	Fragrance Aquasol Fructalis	Fragrance	0.20 %
	<b>GlucoTain Plus (Clariant)</b> <i>Capryloyl/Caproyl Methyl Glucamide (and) Lauroyl/Myristoyl Methyl Glucamide</i>	Foam Booster	<b>3.00 %</b>
	<b>Nipaguard SCL (Clariant)</b> <i>Sorbitan Caprylate (and) Potassium Sorbate (and) Capryloyl/Caproyl Methyl Glucamide</i>	Preservative	<b>1.50 %</b>
D	Citric Acid solution 25%	Neutralizer	q.s. pH 6.5

## Procedure

- I Mix components of A and stir until fully dissolved.
- II Add components of B one after another to I and stir until homogenous. GlucoTain Care needs to be pre-molten @ 45°C.
- III In a separate beaker mix the components of C and add to II.
- V Adjust the pH with D to 6.0 – 6.5

## Results:

<b>Appearance:</b>	Clear liquid
<b>pH:</b>	6.4
<b>Viscosity:</b> (Brookfield, 20rpm; 20°C)	5 mPa*s
<b>Stability</b>	12 weeks @ RT & 40°C