

# Vita Wipes

This Wipe liquid is specifically designed with babies in mind. GlucoTain Sense ensures a mild and gentle cleansing of the baby's skin, while the synergistic combination of Velsan CGE and Pentylene Glycol offers rehydration properties and a save preservation of the formulation on the 100% viscose wipe base.

## Preservation system: Velsan CGE

- Mild and natural preservation booster
- **Available in oil phase**
- High effective against **Candida albicans** -> helps to avoid cross contamination
- 100% renewable source
- NATRUE-approved

Preservative system	Use Conc.	Efficacy @ pH 6.0					
		Pa	Sa	Ec	Ca	Ab	TOTAL
Unpreserved	blank	F	F	F	F	F	FAIL
<b>Velsan CGE</b>	<b>0.3%</b>	A	A	A	A	A	<b>PASS*</b>
Pentylene Glycol	3.3%						

## Other key ingredients to the formula

Ingredients	Key Benefits
<b>GlucoTain Sense</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>
<b>Emulsogen HCO 040 SG Vita</b>	<ul style="list-style-type: none"> <li>• 100% bio-based</li> <li>• Renewable Carbon Index (RCI) of 100%.</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*

# Vita Wipes

AV 1028

Trade Name / INCI	Function	% w/w
A Water	Diluent	Ad 100 %
<b>Glucotain Sense (Clariant)</b> <i>Sunfloweroyl Methyl Glucamide</i>	Surfactant	0.50 %
B <b>Emulsogen HCO 040 SG Vita (Clariant)</b> <i>PEG-40 Hydrogenated Castor Oil</i>	Solubilizer	1.00 %
<b>Velsan CGE</b> <i>Caprylyl Glyceryl Ether</i>	Emollient/Preservative Booster	0.30 %
Pentylene Glycol <i>Pentylene Glycol</i>	Humectant/Preservative Booster	3.3 %
C Citric Acid/ Sodium Hydroxide (20%)	Neutralizer	q.s. pH 6.0

## Procedure

- I Mix components of A and stir until homogenous.
- II Mix components of B and stir until clear and fully solubilized.
- III Add II slowly to I while stirring at 300 rpm on a magnetic stirrer.
- VII Finally adjust pH with C to 6.0.

## Results:

**Appearance:** clear solution

**pH:** 6.0

**Viscosity:** 5 mPas  
(Brookfield, 20rpm; 20°C)

**Stability** 12 weeks @ RT, 40°C.