



Soothing Diaper Balm

With Plantasens LS6, crafted as a replica of skin sebum. The sensitive baby skin will be treated to be more resistant against irritation while moisture is locked in more effectively. Preservative booster Velsan CGE naturally protects the formulation against cross-contamination from the diaper area.

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 as is					
		Pa	Sa	Ec	Ca	Ab	TOTAL
Unpreserved	blank	A	A	B	B	A	PASSB
Velsan CGE	0.5%	A	A	A	A	A	PASS*

Other key ingredients to the formula

Ingredients	Key Benefits
Plantasens™ LS6	<ul style="list-style-type: none"> • Rebalance ALTERED composition of sebaceous lipids • Provide immediate and long-lasting HYDRATION to the skin
CalmYang Wax	<ul style="list-style-type: none"> • strong soothing properties

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

Soothing Diaper Balm

AI 4020

	Trade Name / INCI	Function	% w/w
A	Plantasens LS6 (Clariant) <i>Olea Europaea (Olive) Fruit Oil (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Oleic acid (and) Squalene (and) Tocopherol (and) Helianthus Annuus (Sunflower) Seed Oil</i>	Emollient	Ad 100 %
B	Beeswax <i>Cera Alba (Beeswax)</i>	Thickener	15.00 %
C	Plantasens Refined Shea Butter (Clariant) <i>Butyrospermum Parkii (Shea) Butter</i>	Emollient	16.00 %
	Lanolin <i>Lanolin</i>	Emollient	16.00 %
	CalmYang Wax (Clariant) <i>Butyrospermum Parkii (Shea) Butter, Chamomilla Recutita (Matricaria) Leaf Extract, Glycyrrhiza Glabra (Licorice) Root Extract, Centella Asiatica Extract, Rosmarinus Officinalis (Rosemary) Leaf Extract, Tocopherol, Scutellaria Baicalensis Root Extract, Camellia Sinensis Leaf Extract, Polygonum Cuspidatum Root Extract</i>	Emollient /Active	4.00 %
D	Manuka Essential Oil <i>Leptospermum scoparium Leaf Oil</i>	Essential Oil	0.75 %
	Thyme Essential Oil, ct linalool <i>Thymus Citriodorus Flower/Leaf Extract</i>	Essential Oil	0.30 %
E	Geranium Flower Essential Oil (Egyptian) <i>Pelargonium Graveolens (Geranium) Flower Oil</i>	Essential Oil	0.10 %
F	Velsan CGE (Clariant) <i>Caprylyl Glyceryl Ether</i>	Preservative Booster	0.50 %

Procedure

- I Mix components of A and heat to 80°C until the products are fully molten. Stir until homogenous.
- II Cool down to 40°C while stirring.
- III At 40°C add components of B one after another to II and stir until homogenous.
- V Poor warm formulation in a jar and allow to cool down

Results:

Appearance: Yellowish paste

pH: n.a.

Viscosity: Semi solid
(Brookfield, 20rpm; 20°C)

Stability 12 weeks @ RT, 4 weeks @ 40°C.

Do not heat over 40°C due to the melting point of the formulation. If formulation is molten and separated, shake well and cool down again.