



Diaper rash cream with ZnO

This Baby Diaper Rash Cream protects your baby’s delicate skin, provides soothing relief and effectively treats diaper rash. Formulated with Plantasens Olive Squalane, this formulation creates an effective barrier and protects your baby’s skin. Plantasens Pro LM and Velsan CGE are high-performance dispersing additives for ZnO, they effectively separate the agglomeration of pigment particles and significantly decrease the viscosity of dispersions

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	A	B	A	PASSB
Velsan CGE	0.5%	A	A	A	A	A	PASS*

Other key ingredients to the formula

Ingredients	Key Benefits
Plantasens Olive Squalane	<ul style="list-style-type: none"> • Skin softness enhancement • Upcycled from olive oil production • Transparent and nearly odorless • COSMOS approved
Plantasens Pro LM	<ul style="list-style-type: none"> • Good pigment wetting and dispersing ability • 100% natural (ISO 16128) • COSMOS & Natrue-certified
Plantasens Emulsifier CP5	<ul style="list-style-type: none"> • Non-ionic easy-to-use blend • Cold processable • High emulsification power • Provides instant moisturization • Excellent oil compatibility
Plantasens Vegetable Petrolatum VP R15	<ul style="list-style-type: none"> • Natural alternative to petrolatum • Provides deep moisturization

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*

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AVI 5824

Trade Name / INCI		Function	% w/w	Procedure	
A	Water	Diluent	Ad 100%	I	Mix components of A and heat to 80°C.
	Glycerin 85%	Humectant	2.00 %	II	Mix components of B and heat to 80°C until the products are fully molten.
	MgSO4*7 H2O	Stabilizer	2.00 %	III	Add II slowly to I while stirring at 700 rpm with a finger stirrer.
B	Plantasens Crambisol (Clariant) <i>Crambe Abyssinica Seed Oil (and) Phytosterols (and) Oleyl Alcohol</i>	Emollient	2.00 %	IV	Add C to III and stir.
	Plantasens Olive Squalane (Clariant) <i>Squalane</i>	Emollient	2.00 %	V	Finally homogenize with a high shear mixer at 19000 rpm for 2 min.
	Cetoil OE <i>Dicaprylyl Ether</i>	Emollient	5.00 %		
	Myritol 318 <i>Caprylic Capric Triglyceride</i>	Emollient	5.00 %		
	Plantasens Pro LM (Clariant) <i>Lauryl/Myristyl Polyricinoleate (and) Glycerin</i>	Emollient	3.00 %		
Velsan CGE (Clariant) <i>Caprylyl Glyceryl Ether</i>	Preservative Booster	0.50 %			
Zinc Oxide	Active	12.00 %			
Plantasens Emulsifier CP5 (Clariant) <i>Glyceryl Oleate (and) Polyglyceryl-3 Polyricinoleate (and) Olea Europaea (Olive) Oil Unsaponifiables</i>	Emulsifier	5.00 %			
Plantasens Vegetable Petrolatum VP R15 (Clariant) <i>Ricinus Communis (Castor) Seed Oil (and) Hydrogenated Castor Oil (and) Copernicia Cerifera (Carnauba) Wax</i>	Emollient	3.00 %			
Beeswax <i>Cera Alba (Beeswax)</i>	Thickener	3.00 %			
				Results:	
				Appearance:	White Cream
				pH:	n.a.
				Viscosity: (Brookfield, 20rpm; 20°C)	60.000 mPas
				Stability	12 weeks @ RT, 40°C.