

Diaper rash cream

CLARIANT^E



Greater chemistry

Diaper Rash Cream with ZnO (AVI 5824)

	TRADE NAME / INCI	Function	% W/W
A	Water	Diluent	Ad 100%
	Glycerin 85%	Humectant	2.00 %
	MgSO4*7 H2O	Stabilizer	2.00 %
B	Plantasens Crambisol (Clariant) Crambe Abyssinica Seed Oil (and) Phytosterols (and) Oleyl Alcohol	Emollient	2.00 %
	Plantasens Olive Squalane (Clariant) Squalane	Emollient	2.00 %
	Cetoil OE	Emollient	5.00 %
	Dicaprylyl Ether	Emollient	5.00 %
	Myritol 318	Emollient	5.00 %
	Caprylic Capric Triglyceride	Emollient	5.00 %
	Plantasens Pro LM (Clariant) Lauryl/Myristyl Polyricinoleate (and) Glycerin	Emollient	3.00 %
	Velsan CGE (Clariant) Caprylyl Glyceryl Ether	Preservative Booster	0.50 %
	Zinc Oxide	Active	12.00 %
	Plantasens Emulsifier CP5 (Clariant) Glyceryl Oleate (and) Polyglyceryl-3 Polyricinoleate (and) Olea Europaea (Olive) Oil Unsaponifiables	Emulsifier	5.00 %
	Plantasens Vegetable Petrolatum VP R15 (Clariant) Ricinus Communis (Castor) Seed Oil (and) Hydrogenated Castor Oil (and) Copernicia Cerifera (Carnauba) Wax	Emollient	3.00 %
	Beeswax Cera Alba (Beeswax)	Thickener	3.00 %

PROCEDURE

I	Mix components of A and heat to 80°C.
II	Mix components of B and heat to 80°C until the products are fully molten.
III	Add II slowly to I while stirring at 700 rpm with a finger stirrer.
IV	Add C to III and stir.
V	Finally homogenize with a high shear mixer at 19000 rpm for 2 min.

RESULTS

Appearance	:	White Cream
pH	:	n.a.
Viscosity	:	60.000 mPas
		(Brookfield, 20rpm; 20°C)
Stability	:	12 weeks @ RT, 40°C.

This Baby Diaper Rash Cream protects your baby's delicate skin, provides soothing relief and effectively treats diaper rash. Formulated with Plantasens Crambisol and 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

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PRESERVATIVE SYSTEM	USE CONC.	EFFICACY @ pH 6.3					TOTAL
		Pa	Sa	Ec	Ca	Ab	
Unpreserved	blank	A	A	A	B	A	PASS B
Velsan CGE	0.5%	A	A	A	A	A	PASS*

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