

ALOE ENRICHING BABY WIPE LOTION

Embrace moments of cherishment with Aloe Cherish, an enriching cream that transforms ordinary wipes into moments of care. Enriched with aloe's nurturing properties, it's a treasure for your baby's skin.

Item	Ingredient	Wt%
A	Deionized water	38.03
	<u>INNOVALOE ALOE VERA GEL CONCENTRATE 10:1</u>	1.0
	Glycerin (Protameen)	5.00
B	Schercemol 1818 Ester (Lubrizol) (Isostearyl isostearate)	2.00
	Alpha-Bisabol Natural (Bisabol) (Symrise)	0.20
	Vitamin E Acetate (Protameen) (Tocopheryl acetate)	0.20
	Glucate DO Emulsifier (Lubrizol) (Methyl glucose dioleate)	0.20
	Pemulen TR-2 Polymer (Lubrizol) (Acrylates/C10-30 alkyl acrylate crosspolymer)	0.12
C	Sodium hydroxide (5%)	0.25
D	Plantacare 818 UP (Cognis) (Coco-glucoside (50%))	2.00
E	Euxyl PE 9010 (Schulke & Mayr) (Phenoxyethanol (and) ethylhexylglycerin)	0.50,0.50
	Deionized water	50.00



Procedure:

Phase A mix Aloe vera gel concentrate with deionized water and then mix glycerin . Phase B--add ingredients 3-6 in a separate vessel. Disperse Pemulen TR2 Polymer into oil phase. Add phase B to phase A. Mix for 20-30 minutes to allow the polymer to swell. Neutralize batch with sodium hydroxide (5%). Mix vigorously until uniform. Add coco-glucoside. Mix slowly to avoid air entrapment. Add preservative (phase E). Mix until uniform. Dilute with deionized water. Mix until uniform. PROPERTIES: Appearance--thin white lotion; pH--5.8-6.2; Viscosity (mPa.s) (Brookfield RVT @ 20 rpm, 25[degrees]C, #2 spindle, measured after 24 hours)--400-700; Stability--passed 3 months @ 45[degrees]C and RT, Passed 5 cycles freeze/thaw. COMMENTS: This formula has not been tested on any nonwoven substrate, but is a suggested starting point formulation to help meet difficult viscosity and emulsion stability criteria. Preservation and stability may be dependant on the nonwoven substrate that is used for application.

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