



Reference Formula

Created date: 09/03/20 9:51 AM
Last Save Date: 3/18/21 9:51 AM

Baby lotion (O1000)

EP-SC-LOW-0071A V1

FORMULA

| Phase | Ingredient (Trade Name) | Ingredient (INCI Name) | % By Weight | Function |
|-------|---|---|--------------|----------------------|
| W1 | D.I Water | D.I Water | Up to 100% | Water |
| | Xanthan Gum | Xanthan Gum | 0.20% | Thickener |
| | CELLOSIZETM Polymer | Hydroxyethyl cellulose | 0.20% | Thickener |
| | PCG-10¹ | Polyethylene Glycol | 4.00% | Moisturizer |
| | Carbowax SENTRY PEG-400 | | | |
| O1 | Olivem 1000 | Cetearyl Oliviate & Sorbitan Oliviate | 3.00% | Emulsifier |
| | Olivem VS Feel | Cetearyl Alcohol, Cetyl Palmitate, Sorbitan Palmitate, Sorbitan Oleate | 2.00% | Co-Emulsifier |
| | Oliwax LC | Cetyl Palmitate, Sorbitan Palmitate, Sorbitan Oliviate | 1.00% | Co-Emulsifier |
| | PMX-200 Silicone Fluid 100 | Dimethicone | 1.00% | Emollient |
| | cSt¹ | | | |
| | Jojoba Oil-Refined⁸ | Simmondsia Chinensis (Jojoba) Seed Oil | 2.00% | Emollient |
| | Wheatgerm Oil Refined¹⁰ | Triticum vulgare germ oil | 4.00% | Emollient /Active |
| W2 | D.I Water | D.I Water | 20.00% | Water |
| | Allantoin² | Allantoin | 0.20% | Active |

Recommendations contained, herein this Reference Formula, are advisory only.

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|-------|---|--|--------------|--------------|
| A | Pentavitin² | Saccharide Isomerate, Aqua, Citric Acid, Sodium Citrate | 1.00% | Active |
| | Stimu-Tex AS² | Butyrospermum Parkii (Shea) Butter Extract, Argania Spinosa Kernel Oil, Spent Grain Wax, Tocopherol | 1.00% | Active |
| | Alpaflor Malva AO² | Glycerin, Aqua, Malva Sylvestris (Mallow) Flower Extract, Citric Acid, Sodium Benzoate, Potassium Sorbate | 1.00% | Active |
| | Eurol BT² | Olea Europaea (Olive) Leaf Extract, Water | 0.50% | Active |
| | d-α-Tocopheryl Acetate² | Tocopheryl Acetate | 0.50% | Anti-oxidant |
| | Jade¹⁶ | Perfume | 0.10% | Fragrance |
| | Citric Acid | Citric Acid | Q.S. | pH Adjuster |
| | Preservative | Preservative | Q.S. | Preservative |

Suppliers: 1. Dow Chemical; 2. DSM; 8. Eco Oil; 10. Northstar Lipids; 16. Lothar Streeck

PROCEDURE

1. Prepare Phase W1 and O1 separately, then heat to 70-75°C.
2. Add Phase W1 to O1 under homogenizing.
3. Use 50°C D.I Water to prepare Phase W2.
4. Add Phase W2 and A to the main tank after cooling.
5. Adjust pH value up to 6.0.

SPECIFICATION

| | |
|------------|--|
| APPEARANCE | : Pale yellow lotion |
| VISCOSITY | : approx. 5,440 \pm 10% (54.4%) (RVDV-E, RV4, 20 rpm, 3 min, 25°C) |

The information given in this publication is based on our current knowledge and experience and may be used at your discretion and risk. It does not relieve you from carrying out your own precautions and tests. We do not assume any liability in connection with your product or its use. You must comply with all applicable laws and regulations and observe all third party right.

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