

MILD BABY SHAMPOO WITHOUT [SZ-06] SALT ADDITION

PRODUCTS DEDICATED TO BABIES

FORMULATION ZONE





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WITHOUT SALT ADDITION
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## MILD BABY SHAMPOO WITHOUT SALT ADDITION [SZ-06]

| PHASE | INCI NAME                             | BRAND NAME       | CONCENTRATION [%] | FUNCTION              |
|-------|---------------------------------------|------------------|-------------------|-----------------------|
| Α     | Aqua                                  |                  | up to 100,0       | solvent               |
|       | Sodium Benzoate,<br>Potassium Sorbate |                  | 0,6               | preservative          |
|       | Magnesium Laureth<br>Sulfate          | EXOsoft MGB      | 17,7              | surfactant            |
|       | PEG-75 Lanolin                        | ROKAnol® LN75/50 | 1,0               | moisturising<br>agent |
|       | MEA Lauryl Sulfate                    | ROSULfan®M       | 10,0              | surfactant            |
| В     | PEG-120 Methyl Glucose<br>Dioleate    |                  | 1,5               | thickening agent      |
| С     | Cocamidopropyl<br>Betaine             | ROKAmina®K30     | 6,5               | surfactant            |
|       | Parfum                                |                  | 0,3               | fragrance             |
|       | Citric acid                           |                  | q.s.              | pH modifier           |



| Viscosity [cP] | Brookfield LV, spindle 34, speed 2.5 RPM,<br>T: 25°C | 1500 - 5000             |
|----------------|--|-------------------------|
| Stablility     | 1 month at 5°C, RT, 40°C                             | confirmed               |
| Apperance      | visual method  | clear, light-yellow gel |
| рН             |  | 5.0 - 5.5               |

## **Procedure:**

- Combine ingredients from phase A. Add ingredients from phase A to warm water (55-60°C). Mix until homogenous solution is obtained.
- 2. Add PEG-120 Methyl Glucose Dioleate during mixing. Mix until uniform.
- 3. Cool the batch down to 35°C.
- **4.** Add parfum and Cocamidopropyl Betaine during mixing. Mix until uniform.
- 5. If necessary, adjust pH by Citric Acid to 5.0 5.5.





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