BABY BATH

500.31.3.1

GENTLE CLEANSING. MILD. FOAMY.

Alternative Preservation: Cosphaderm® Pentiol natural, Cosphaderm® GeMix

Cosphatec

ALL NATURAL INGREDIENTS

Phase	Ingredient	COSMOS	INCI	Supplier	%
A	Demin. Water		Aqua	-	55.70
A	Cinnamic Acid		Cinnamic Acid	-	0.30
B	Cosphaderm® Pentiol natural	✓	Pentylene Glycol	Cosphatec GmbH	2.00
B	Cosphaderm® X 34	✓	Xanthan Gum	Cosphatec GmbH	1.00
C	Cosphaderm® E NGM natural	✓	Lysolecithin	Cosphatec GmbH	5.00
D	Plantacare® 818 UP		Coco Glucoside	BASF SE	10.00
D	Plantacare® 2000 UP		Decyl Glucoside	BASF SE	25.00
D	Cosphaderm® GeMix	✓	Glyceryl Caprylate, Glyceryl Undecylenate	Cosphatec GmbH	1.00

MANUFACTURING PROCESS

Phase A: Combine all ingredients of phase A and raise the pH to 11 under stirring to dissolve cinnamic acid. Afterwards, adjust the pH to 5.5 ± 0.05 by adding Citric Acid.
Phase B: Add phase B to phase A and stir until everything is completely dissolved.
Heat phase A+B to 60 °C and add phase C under strong stirring.
Phase D: Add phase D to phase A+B below 40 °C.
Adjust the pH to 5.5 ± 0.05.

SPECIFICATION

Appearance: Transparent, yellow gel
pH: 5.5 ± 0.05
Stability: No separation after centrifugation (4000 rpm, 30 min), stable for 3 months at room temperature and 40 °C
Microbiological stability: proven

Disclaimer: This formulation proposal and our technical application advice are given to the best of our knowledge, but it is for information purposes only and no responsibility is assumed.

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