

## HAIR CLEANSING

/17



## 1-088-SR-06 / Repair and Care Shampoo with Apple Water

PHASE	TRADE NAME	INCI	%W/W	SUPPLIER
A	dem. Water	Aqua (Water)	ad 100.00	
	Fruit Derived Water Apple	Malus Domestica Fruit Water	10.00	Döhler GmbH*
	ESTERLAC® Care+ NG	Sodium Lauryl Lactylate	3.00	Corbion*
B	CosVivet APG DG 55	Decyl Glucoside	19.25	Brenntag
	ESTERLAC® Balance+ NG	Sodium Lauroyl Lactylate	14.88	Corbion*
	Cosvivet APG CG 46	Coco-Glucoside	5.00	Brenntag
	Glycerin	Glycerin	3.00	Brenntag
C	Potassium Sorbate	Potassium Sorbate	0.20	On request
	Sodium Benzoate	Sodium Benzoate	0.50	Brenntag
	HUSH, LISTEN TO YOU HAIR M_0064852	Parfum (Fragrance)	0.50	MANE*
D	Sodium Hydroxide	Sodium Hydroxide	q.s.	Brenntag
	Purac® HiPure 90 UP	Lactic Acid (and) Aqua	q.s.	Corbion*

\*Available from Brenntag

**Procedure**

1. Dissolve ESTERLAC® Care+ in water.
2. Once dispersed, adjust the pH value above 7.0 until the solution becomes clear.
3. Add the ingredients of phase B to phase A step by step.
4. Mix with propeller until dissolved and uniform.
5. Add the ingredients of phase C step by step in the given order to AB.
6. Adjust the pH value with the ingredients of phase D.

**Properties**

- / Appearance: white gel
- / pH-value: ~ 5.0
- / Viscosity (Brookfield, RVT, Sp.TC, 4rpm) @23°C: 32000 mPa.s

**Stability**

- / Stability tests over 3 months at 23°C, 40°C and 4°C are ongoing.

**Characteristics**

- / The CosVivet APG range is Brenntag's own brand of mild and natural surfactants
- The shampoo formulation is free of PEG's and sulfates
- / ESTERLAC® Balance+ NG is a COSMOS approved mild and natural emulsifier
- / ESTERLAC® Care+ is a natural conditioning and moisturizing agent for smooth and soft hair
- / Fruit Derived Water Apple is 100% sustainable, NATRUE and COSMOS approved as well as VEGAN
- / MANE's COSMOS approved fragrance gives the formulation a trendy, floral and green scent

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