

Lab Test Cosmetic Formulation

Description:
Shampoo pH 5.5 - K39PF

Id Formula:

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Composition

Ingredients:	%Wt	Function
1. Deionized Water INCI Deionized Water	56,37	Solvent
2. DER K39 PF INCI Polyquaternium-39	1,00	Conditioning polymer
3. SLES INCI Sodium Laureth Sulfate	35,00	Surfactant, cleansing, foaming
4. Coco Amido Propil Betaina 30% INCI Cocamidopropyl Betaine	5,00	Anionic surfactant
5. Citric Acid (solid) INCI Citric Acid	0,13	buffering, chelating
6. KETO 15 INCI CMI/MI	0,50	Preservative
7. Sodium Chloride INCI Sodium Chloride	2,00	Viscosity controlling, bulking

Procedure:

1. Add DER K39PF to deionized water
2. Add Sodium Laureth Sulphate with moderate mixing
3. Add Cocamidopropyl Betaine.
4. Add Citric Acid.
5. Add Keto 15.
6. Add Sodium Chloride.
7. Check pH and adjust it if necessary to pH 5.4 - 5.6

Specs:

Appearance: Clear gel
pH: 5,5 - 5.8
Viscosity (mPa·s)*: 2500 - 2800
Turbidity (NTU): < 10

* Brookfield RVT @ 20 rpm, 25°C, 4 spindle, measured after 24 hours