

## Lab Test Cosmetic Formulation

### Description:

Creamy Shampoo 5.5- BCA42PF- OPM544

Id Formula:

25

### Composition

Ingredients:	%Wt	Function	Supplier
1. <b>Deionized Water</b> INCI Deionized Water	54,42	Solvent	Other
2. <b>DER BCA42 PF</b> INCI POLYQUATERNIUM 22	1,00	Conditioning polymer	Derypol
3. <b>Surfactant A2725</b> INCI Sodium Laureth Sulfate	35,00	Surfactant, cleansing, foaming	Quimidroga
4. <b>Coco Amido Propil Betaina 30%</b> INCI Cocamidopropyl Betaine	5,00	Anionic surfactant	Barcelonesa
5. <b>Citric Acid (solid)</b> INCI Citric Acid	0,13	buffering, chelating	Fischer Scientific
6. <b>Sensicare C 3300</b> INCI Benzyl Alcohol (and) Glyceryl Laurate	0,80	Preservative	Chemipol
7. <b>Sodium Chloride</b> INCI Sodium Chloride	2,00	Viscosity controlling, bulking	Other
8. <b>OPM 544</b> INCI Styrene / Acrylates Copolymer	0,33	Opacifier	Derypol
9. <b>Deionized Water</b> INCI Deionized Water	1,32	Solvent	Other

### Procedure:

1. Add BCA42PF to deionized water
2. Add Sodium Laureth Sulphate with moderate mixing
3. Add Cocamidopropyl Betaine.
4. Add Citric Acid.
5. Add Sensicare C3300.
6. Add Sodium Chloride.
7. Check pH and adjust it if necessary to pH 5.4 - 5.6
8. Dilute OPM544 in the remaining water and add it to the formulation.

### Specs:

Appearance: Opaque, white, viscous fluid

pH: 5,4 - 5.7

Viscosity (mPa·s)\*: 2700 - 2900

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