

Advanced Formulations

#78213

SLES free shampoo -78213

Product	INCI	Functionality	% w/w
Water	Water	Solvent	76.20
Sulnate® SLS-N92	Sodium Lauryl Sulfate	Surfactant	8.00
Maiscare® BP 818	Coco Glucoside	Surfactant	13.30
Hydrolyzed Wheat Protein	Hydrolyzed Wheat Protein	Conditioner	0.50
Maiscare® P065	Coco glucosides and Glyceryl monooleate	Lipid layer enhancer Thickener	2.00
Perfume	-	Fragrance	q.s.
Preservative	-	Preservative	q.s.
Citric Acid (50%)	Citric Acid	pH adjustment	q.s.
Sodium Chloride (25%)	Sodium Chloride	Thickener	q.s.

Typical Properties:

pH, as is: 5.0-5.5

Viscosity, cps (25°C): 5200 (Brookfield RVT, 23°C, spindle 4, 10 rpm)

Method in the laboratory:

Add SLS-94N into water and mix homogeneously → Add other ingredients and mix until homogeneous

→ Adjust the pH value by adding Citric Acid → Adjust the viscosity by adding Sodium Chloride.