

3 in 1 Hair Mask

Base

Phase	I.N.C.I. name	Commercial name	%
A	Aqua	—	Qs to 100
B	Polyether-1	Pure Thix® 1442 (BYK)	1.00
C	Microcrystalline Cellulose, Cellulose Gum, Xanthan Gum	Sucrathix VX (Alfacos)	1.00
	Glycerin	—	3.00
D	Polyascorbate-20	Kotilen L/1 (KOLB)	2.00
	Aqua, Sodium Dilauramodiglutamide, Lysine, Butylene Glycol	Pellicer™ LB-30G (Asahi Kasei)	0.30
E	Sorbitan Stearate, Methylglucose Sesquistearate	Sympatens O/2500 G (KOLB)	4.00
	Cetearyl Alcohol	Protachem CS-50 (Protameen Chemicals)	6.00
	Cetyl Esters	Miraceti® MB (Safic Alcan)	5.00
	C13-15 Alkane	Neossance® Hemisqualane	2.00
	Hydrolyzed Jojoba Esters, Jojoba Esters, Aqua	Floraesters® K-100 (Floratech)	0.50
F	C8-22 Alkyl Acrylate/Methacrylic Acid Crosspolymer, Aqua, Propyl Alcohol	Intelimer® 8600 Polymer	1.00
	Menthol, Menthyl Lactate	Frescolat® Plus (Symrise)	0.80
	Vanillyl Butyl Ether	Hotflux™ (Corum)	0.20
	1,2 Hexanediol, Phenylpropanol	Sharomix HP (Sharon Laboratories)	1.00

Active Lotions

			Turquoise %	Pink %
A	Fragrance	—	0.50	0.50
	PEG-40 Hydrogenated Castor Oil	Sympatens TRH-400 (1) (KOLB)	2.00	2.00
	Aqua	—	Qs to 100	Qs to 100
B	Hydrolyzed Adansonia Digitata Seed Protein	Baobab Tein NPNF™ (TRI-K)	20.00	/
	Hydrolyzed Quinoa	Quinoa Pro NPNF™ (TRI-K)	/	20.00
	Xylitol, Sodium Phosphate, Aqua	Hygeaphos AS (Chemunion)	10.00	/
	Aqua, Octocrylene, Butyl Methoxydibenzoylmethane, Inulin Lauryl Carbamate, Caprylic/Capric Triglyceride, Behentrimonium Chloride, Sucrose Laurate, Disodium EDTA, Phenoxyethanol, Benzoic Acid, Dehydroacetic Acid, Ethylhexylglycerin, Polyaminopropyl Biguanide	Epiprotectyl™ UV Cellular Active (Air Products)	/	10.00
	C8-22 Alkyl Acrylate/Methacrylic Acid Crosspolymer, Aqua, Propyl Alcohol	Intelimer® 8600 Polymer (Air Products)	5.00	/
	Glycerin	—	3.00	3.00
	Methylchloroisothiazolinone, Methylisothiazolinone	Sharomix MCI (Sharon Laboratories)	0.05	0.05
	CI 42090	Brilliant Blue FCF 85% E133 aqueous solution 1% (BASF)	Qs to 100	/
	CI 14720	Azorubin 85% E122 aqueous solution 1% (BASF)	/	Qs to 100

Protocol

for the mask:

Phase A: Place under stirring and heat to 75°C

Phase B: Add to phase A and stir until homogeneity by heating to 75°C

Phase C: Pre-mix, add to phase AB and stir 15 min until homogeneity

Phase D: Add to phase ABC right before emulsification and keep heating to 75°C

Phase E: Add to 75°C under stirring until homogeneity then emulsify

Phase F: Add to the emulsion at 30°C and homogenize.

Supplement in water and adjust pH to 4.5-5.0

for the lotions:

Phase A: Place under stirring and heat to 40°C until homogeneity. Let it cool down.

Phase B: Add the ingredients to phase A and stir until homogeneity.