

VOLUMIZING MASCARA WITH SYNTRAN® 5760

Formulation F-18-74-01.760

<u>Phase</u>	<u>INCI Designation</u>	<u>Weight %</u>
A Water (+3% of evaporation)		51.00
A Disodium EDTA	Disodium EDTA	0.10
A Propylene Glycol	Propylene Glycol	2.50
A TEA (99%)	Triethanolamine	1.40
A Natrosol 250 HHR (Hercules/Aqualon)	Hydroxyethylcellulose	0.15
A1 Polyox WSR 205 (Amerchol)	PEG-14M	0.25
A2 Veegum K (Vanderbilt)	Magnesium Aluminum Silicate	1.75
B Fancol VP (Fanning)	Limnanthes Alba Butyrospermum Parkii	3.00
B Stearic Acid (Cognis)	Stearic acid	3.00
B Tego-Care 450 (Degussa Care Specialties)	Polyglyceryl-3 methylglucose distearate	2.00
B Ozokerite T 319	Ozokerite	4.50
B Beeswax white (Strahl & Pitsch)	Cera alba	5.25
B Carnauba wax (Strahl & Pitsch)	Carnauba	4.00
B Propylparaben	Propylparaben	0.20
B Methylparaben	Methylparaben	0.25
B Tinogard TT (Ciba Specialty Chemicals)	Tetradibutyl pentaerithryl hydroxyhydrocinnamate	0.05
C Syntran 5760 (Interpolymer)	Styrene/Acrylates/Ammonium Methacrylate Copolymer	10.00
D Pigment A 401.30 Tudor Ebony (Kingfischer Colours)	C1 77499 Methicone	10.00
E Phenoxyethanol	Phenoxyethanol	0.80
F Aerosil 200 (Degussa AG)	Silica	0.50
G Phytokeratin (Arch Personal Care Products)	Aqua/Hydrolysed corn protein/ Hydrolysed wheat protein/Hydrolysed soy protein	2.00
G Germal II (Sutton)	Diazolidinyl urea	0.20
G TEA (99%)	Triethanolamine	0.10
	YIELD:	103.00

Procedure

- Heat Phase A at 70°C homogenizing. Add A1 and A2 in sequence homogenizing after each addition until completely dispersed and heat at 80°C
- Melt Phase B at 80-85°C by stirring. Add Phase B to Phase (A+A1+A2) while homogenizing
- Cool to 70°C and add in sequence C and D while homogenizing after each addition
- Cool to 60°C and add in sequence E and F while homogenizing after each addition
- Cool to 40°C and add solution G (mixed) while homogenizing
- Cool to 25°C alternating stirring and homogenizing

Viscosity RVT Brookfield (25°C) – Sample 500 g

Helipath T-E 2.5 rpm: 1 000 000 mPa.s

5 rpm: 650 000 mPa.s

pH 7.7 - 8