

Tranquility Cream

Material Name	Manufacturer	INCI	%	Phase
Deionized Water	In House	Aqua	70.28	A
Surfac EDTA Na2	Surfachem	Disodium EDTA	0.1	A
Vanzan® NF	Vanderbilt	Xanthan Gum	0.1	B
Glycerine 99.8%	Various	Glycerin	5	B
Olivem® 1000	Hallstar	Cetearyl Oliviate, Sorbitan Oliviate	3	C
Olivem® VS Feel	Hallstar	Cetearyl Alcohol, Cetyl Palmitate, Sorbitan Palmitate,	2.5	C
Sensolene® Care DD	Hallstar	Lauryl Oliviate	2	C
Flax Seed CP	Various	Linum Usitatissimum Seed Oil	4	C
Biochemica® Shea Butter Natural	Hallstar	Butyrospermum Parkii (Shea) Butter	2.5	C
Biochemica® Aloe Butter	Hallstar	Cocos Nucifera (Coconut) Oil, Aloe Barbadensis Leaf Extract	2	C
Biochemica® Cocoa Butter Deodorized	Hallstar	Theobroma Cacao (Cocoa) Seed Butter	1	C
Surfac Cetyl Alcohol	Surfachem	Cetyl Alcohol	2.5	C
Hypskin BS	Assessa	Hypnea Musciformis Extract, Sargassum Filipendula Extract, Glycerin, Sodium Benzoate and Potassium Sorbate	1	D
Blush Oléoactif®	Hallstar	Brassica Campestris (Rapeseed) Seed Oil , Polygonum Tinctorium Leaf Extract , Rosmarinus Officinalis Leaf Extract	2	D
Quidgel BRM	Assessa	Hypnea Musciformis Extract, Sargassum Filipendula Extract, Sorbitol, Botryocladia Occidentalis Extract, Phenoxyethanol, Ethylhexylglycerin	1	D
Saliguard® EHGP	Salicylates and Chemicals	Phenoxyethanol, Ethylhexylglycerin	1	D
10% Sodium Hydroxide in Water	In House	Aqua, Sodium Hydroxide	0.01	E
50% Citric Acid in Water	In House	Aqua, Citric Acid	0.01	E

Manufacturing Method

Phase A

- 1) Add batch quantity of water to Vessel
- 2) Add Surfac EDTA NA2 with Stirring
- 3) Begin Heating to 80-85 Deg C with Stirring

Phase B

- 4) Premix Vanzan® NF and Glycerin to form a homogeneous slurry, then add to main batch under brisk stirring. Homogenise to ensure Vanzan® NF is fully dispersed
Continue heating to 80-85 Deg C

Phase C

- 5) In a separate vessel combine Olivem® 1000, Olivem® VS Feel, Sensolene® Care DD, Flax Seed CP, Biochemica® Shea Butter Natural, Biochemica® Aloe Butter, Biochemica® Cocoa Butter Deodorized, Surfac Cetyl Alcohol
Melt together to 80-85 Deg C

Once both phases are at the correct temperature add phase C to Phase A+B with stirring, then homogenise until a uniform emulsion has been formed. Cool with stirring to <= 40 Deg C

Phase D

Add the following materials individually whilst stirring.
Hypskin BS, Blush Oléoactif®, Quidgel BRM, Saliguard® EHGP
Homogenise if needed to ensure all materials are dispersed

Phase E - Adjust pH with either sodium Hydroxide or citric acid if required

Specification @ 20 Deg C

pH 5.5 - 6.5

Viscosity 40000 - 80000cps (TC/10RPM)