

Whitening Cream containing Tranexamic Acid

FL-TA-00101

	Ingredients	INCI	[wt.%]	Supplier
	A			
1	Tego Care 150	Glyceryl stearate, steareth-25, ceteth-20, stearyl alcohol	8.00	ISP
2	Miglyol 812 N	Caprylic/capric triglyceride	0.70	SEPPIC
3	Isopropyl myristate	Isopropyl myristate	2.00	
4	Paraffin	Paraffin	2.00	
5	Paraffinum liquidum (mineraloil)	Paraffinum liquidum (mineraloil)	12.00	
	B			
6	Butane-1,3-diol	Butylene glycol	4.00	
7	Sorbitol F liquid	Sorbitol	2.00	Merck KGaA
8	Deionized water	Aqua (water)	54.50	
	C			
9	Ethyl ascorbic acid	3-O-Ethyl ascorbic acid	1.00	M.C.Biotec
10	*Citric Acid buffer	Citric acid (and) Trisodium citrate (and) water	1.00	
11	Tranexamic acid	Tranexamic acid	1.00	M.C.Biotec
12	Dipotassium glycyrrhizinate	Dipotassium glycyrrhizinate	0.50	M.C.Biotec
13	Aqua (water)	Aqua (water)	8.0	
14	L-cysteine	L-cysteine	1.00	
	D			
15	Diocide	Caprylyl Glycol (and) Phenoxyethanol (and) Hexylene Glycol	0.50	
16	Fragrance	Parfum	1.0	

Procedure

1. In Phase C, dissolve Ethyl ascorbic acid in water and add citric acid buffer, and then add other ingredients in Phase C..
2. Heat phase A and B separately to 75° C.
3. Add phase A slowly into phase B with gently stirring. Homogenize at 65 °C for one minute. Cool.
4. At 40° C add phase C with stirring.
5. At 35° C add phase D while stirring, cool down.

*Citric Acid buffer	
	%w/w
Citric acid	1.0
Trisodium citrate	15.0
Water	ad 100.0

Whitening Gel containing Tranexamic Acid

FL-TA-00102

Ingredients	INCI	[wt.%]	Supplier
A			
1 Stabileze QM	PVM/MA Decadiene Crosspolymer	1.00	ISP
2 Diocide	Caprylyl Glycol (and) Phenoxyethanol (and) Hexylene Glycol	0.70	SEPPIC
3 Demineralised water	Water (Aqua)	83.00	
4 5% Sodium hydroxide	Sodium hydroxide (and) water	Adjust pH to 3.7	
B			
5 Demineralised water	Water (Aqua)	9.00	
6 Tranexamic acid	Tranexamic acid	1.00	M.C. Biotec
7 L-cysteine	L-cysteine	1.00	Merck KGaA
8 Magnesium Ascorbyl Phosphate	Magnesium Ascorbyl Phosphate	1.00	M.C. Biotec
9 Panax ginseng root extract	Panax ginseng root extract	2.00	

Procedure

1. Mix together the ingredients in Phase A, adjust the pH to 3.7 with sodium hydroxide solution.
2. Add Phase B to Phase A, mix well.