

Anti-aging & Anti-pollution Serum

Phase	I.N.C.I. name	Commercial name	%
A	Aqua	–	Qs to 100
	Bentonite	Optigel® CK-PC (BYK)	2.30
	Glycerin	–	3.30
B	Cellulose Gum, Chondrus Crispus (Carrageenan) Extract, Ceratonia Siliqua Gum, Sucrose	Sucraclear HC-31 (Alfacos)	0.60
	Glycerin	–	1.00
C	Sodium Dilaurylamidoglutamide Lysine, Butylene Glycol, Aqua	Pellicer™ LB-30G (Asahi Kasei)	0.10
D	Polymethylsilsesquioxane, Polyquaternium-7, PEG-7 Glyceryl Cocoate, Methylsilanol Tri-PEG-8 Glyceryl Cocoate	Tospearl™ AQ (Momentive)	6.00
	Polyquaternium 101, Butylene Glycol, Aqua	Deplosilk™ Q1 Polymer (Air Products)	1.00
	Aqua, Hydrolyzed Jojoba Esters	Floraesters® K20W (FloraTech)	8.00
	Nylon 6/12, Olea Europaea (Olive) Fruit Oil, Ceramide-3	Orgasol® Restore (Arkema)	2.00
	Butylene Glycol	1,3-Butylene Glycol	9.00
	Disodium EDTA	Protachem NA-2-P (Protameen Chemicals)	0.05
	Caprylyl Glycol	Hydrolite® CG (Symrise)	1.00
E	Aqua	–	1.00
	Hyaluronic Acid	Oligo HA (Sochibios)	0.10
F	Aqua, Butylene Glycol, Passiflora Edulis Fruit Extract	Curepassion (Ichimaru Pharcos)	1.00
	Hydrolyzed Vegetable Protein, Glycerin, Aqua	VegPeptides (Vitalab)	0.50
G	C13-15 Alkane	Neossance® Hemisqualane	3.00
	Dimethicone	Silsoft™ DML (Momentive)	3.00
	PEG-10 Dimethicone	Silsoft™ 860 (Momentive)	2.00
H	Phenoxyethanol	Phenoxyethanol (Sharon Laboratories)	0.50
	Fragrance	–	0.20
	Zingiber Officinale (Ginger) Root Extract	SymVital® Age Repair (Symrise)	0.05
	PEG-40 Hydrogenated Castor Oil	Sympatens TRH-400(1) (KOLB)	1.30
I	Aqua	–	2.00
	3-O-Ethyl Ascorbic Acid	Et-VC™ (Corum)	2.00
J	Butylene Glycol	1,3-Butylene Glycol	4.00
	Citric Acid	Citric Acid Solution 30%	0.80
	Mica, Titanium Dioxide, Tin Oxide, Iron Oxides	SynCristal® Ivory (Eckart)	0.40
	Mica, Titanium Dioxide, Tin Oxide, Carmine	Prestige® Soft Ruby (Sudarshan)	0.10
	Mica, Titanium Dioxide, Tin Oxide	Prestige® Super Soft Silver (Sudarshan)	0.50

Protocol

- Phase A:** Pre-disperse the Bentonite in glycerin and add it to deionized water under stirring. Once Optigel® CK-PC is properly dispersed, heat to 70°C
- Phase B:** Pre-disperse phase B ingredient in glycerin under stirring and add it to previously heated to 70°C phase A
- Phase C:** Add phase C once the aqueous phase is totally homogeneous. Stop heating
- Phase D:** Mix all the raw materials under stirring. Once the mixture is homogeneous, add it to phase ABC
- Phase E:** Solubilize the Hyaluronic Acid under stirring in deionized water. Add it to phase ABCD at T<40°C
- Phase F:** Weigh independently the raw materials. Add them one by one at T<40°C
- Phase G:** Weigh phase H. Homogenize under stirring then add phase G. Once phase GH is homogeneous add it to the
- & H** rest of the formula
- Phase I:** Solubilize the 3-O-Ethyl Ascorbic Acid in deionized water under stirring. Add it at T<35°C
- Phase J:** Pre-disperse pearlescent pigments in butylene glycol. Add citric acid solution. Once the mix is homogeneous, add it to the formula