

HYDRO SUNSCREEN

PHASE	INGREDIENTS	PROVIDER	INCI	(wt-%)	
A	INA KANTEN CS-310 TR	Ina Food Industry	Agar	0.25	
	SEPIPLUS™ S	Seppic	Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer & Polyisobutene & PEG-7 Trimethylolpropane Coconut Ether	2.00	
	PURIFIED WATER		Water	72.545	
	DIGLYCERIN S	Sakamoto Yakuhin Kogyo	Diglycerin	1.00	
B	SENSIVA SC50	Seiwa Kasei	Ethylhexylglycerin	0.50	
	EDTA-2Na		Disodium EDTA	0.05	
	TEA		TEA	QSP	
	TEA		TEA	0.955	
	ECAM H2OUV	Shinsung Materials	Terephthalylidene Dicumphor Sulfonic Acid, Water	6.00	
	C	PHYTOSQUALANE	Sophim	Squalane	4.00
		UVINUL MC80	BASF	Ethylhexyl Methoxycinnamate	5.00
S FACE M-1001		Sakamoto Yakuhin Kogyo	Polyglyceryl-10 Myristate	0.60	
S FACE IS-1002P	Sakamoto Yakuhin Kogyo	Polyglyceryl-10 Diisostearate	1.00		
FL-HAP-SC	Taihei Chemicals	Hydroxyapatite	1.00		
XZ 3000F	Sakai Chemicals	Zinc Oxide	5.00		
D	FRESH IV 78658 FOR SUNSCREEN	Kobayashi Perfumery	Fragrance	0.10	
Total				100.00	
SPF				15.59	

1/ Pre-mix Ina Kanten CS-310TR in Diglycerin S, and add the rest of phase A, then heat to 80°C.

2/ Prepare phase B and mix well, then add to phase A.

3/ Add phase C into phase A+B under mixing by homogenizer to make the emulsion, then cool to room temperature while stirring.

4/ Add phase D into phase A+B+C and homogenize.