



The Incredible Amazingly Light Sport Sunscreen SPF 30+, Broad Spectrum

- Uses Zinc Oxide to synergize with organic UV filter and designed for exercise, outdoor sports and beach activities.
- Amazingly light and cool sensory with anticipated water resistance performance.
- Extremely high transparency, blends instantaneously into the skin with no greasy sensory or white residue.
- Great spreadability simplifies formulation development and manufacturing process with great sensory profile.

- **G-Block DZ 480 CCT: COSMOS and ECOCERT-approved** fine and stable dispersion of **80 % of UV** grade Zinc Oxide with broad-spectrum sun protection benefit, very good transparency and slick sensory. Ideal for mass market and synergistic with organic UV filter.
- **PhytoCare-HA CG 1M [Snow Mushroom (Tremella Funiciformis Sporocarp) Extract]: Natural substitute** of bacterially-fermented hyaluronic acid, with benefits such as moisture restoration, anti-oxidation, anti-aging flexible film formation and strong tolerance under various temperature, pH levels, and salt concentration.

- a. SPF 34 (In-vivo, FDA protocol, 1 subject). CW = 374 nm
- b. ISO 2442: SPF 33.7, UVAPF 5.55, CW 374.
- c. Asia: PA ++

Pass FDA broad spectrum Criteria, and target U.S. market

Phase	INCI Name, (Trade Name)	Wt %	
A	Distilled Water	59.2	Process: 1. Stir Phase A with propeller mixer (500-700 rpm) for 10 minutes and homogenize at 4000 rpm for 10 minutes at RT until Vivapur COS-5 is fully dissolved, and then heat up to 80C. 2. Mix and heat Phase B at 300-500 rpm until mixture reaches 80C. 3. After adding Phase C into Phase B, slowly add Phase B/C into Phase A with propeller mixer for 5 minutes, and then homogenize 4000-4500 rpm at 75-80 C for 5 minutes. 4. Switch to a propeller mixing while cooling down to RT. Add water that may evaporate during process.
	PhytoCare- HA CG 1M (Snow Mushroom Extract)	0.20	
	Dissolvine GL-47S	0.10	
	Microcrystalline Cellulose (and) Cellulose gum (Vivapur COS-5)	1.30	
	Glycerine	2.00	
	Phenoxyethanol (and) Ethylhexyl Glycerin (Euxyl PE 9010)	0.70	
	Propylene Glycol	2.00	
B	G-Block DZ 480 CCT	10.0	
	Cetearyl Alcohol (and) Coco Glucoside (Montanov 82)	1.00	
	Cetearyl alcohol (and) cetearyl glucoside (Montanov 68)	3.00	
	Octisalate	5.00	
	Octocrylene	3.00	
	Octinoxate (OMC)	2.00	
	Formaldehyde	1.50	
	Butylene Glycol dicaprylate/dicaprate (Miglyol 8810)	5.00	
Dimethicone oil (50 cP)	1.00		
C	Cyclopentasiloxane, (DC 245)	3.00	
Feature	Viscosity (cP) @ 10 rpm	8,640	pH 7.3