



### Nature Silk Sunscreen SPF 30+, Broad Spectrum

- Light-weight, **pure and natural** sunscreen with a luminous appearance and a silky and smooth texture.
- **NO** chemical UV filters, uses only Zinc Oxide, designed for outdoor sports, for babies and people with sensitive skin.
- Incredibly light sensory, 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-Blocks are :

- **COSMOS, ECOCERT, and NPA –approved** and globally approved as natural UV filters for natural sunscreens.

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| ➤ <b>G-Block DZ 370 CCT:</b> Fine and stable dispersion <b>70 % of</b> UV grade Zinc Oxide with broad-spectrum sun protection benefit, excellent transparency and velvet sensory.  | ➤ <b>G-Block DZ 480 CCT:</b> Fine and stable dispersion of <b>80 % of</b> UV grade Zinc Oxide with broad-spectrum sun protection benefit, very good transparency and slick sensory. |
| ➤ Ideal for premium market.  | ➤ Ideal for mass market and synergistic with organic UV filter.   |
| ➤ <b>PhytoCare- HA CG 1M [Snow Mushroom (Tremella Funiciformis Sporocarp) Extract]:</b> 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. |   |

**Expected protection based on similar formulation: SPF ~ 35, FDA protocol, 1 subject.**  
**Critical wavelength: 371 nm (Premium , G-Block DZ 370 CCT); 379nm (Mass, G-Block DZ 480 CCT)**

Phase	INCI Name, (Trade Name)	Premium Wt %	Mass Wt %	Process:
A	Distilled Water	42.98	43.98	1. Stir Phase A with propeller mixer (300-500 rpm) for 20 minutes at RT, and then heat up to 80C. 2. Mix and heat Phase B with propeller mixer (300-500 rpm) until mixture reaches 80C. 3. Slowly add Phase A into Phase B into with propeller mixer while increasing speed to 2000 rpm, stir for 5 minutes. 4. Homogenize the mixture for 2 minutes. 5. Slowly add Phase C into Phase A+B while cooling down to RT.
	<b>PhytoCare-HA CG 1M (Snow Mushroom Extract)</b>	<b>0.12</b>	<b>0.12</b>	
	Propane diol	3.00	3.00	
	Sodium chloride (NaCl)	1.00	1.00	
	Glycerine	3.00	3.00	
B	Phenoxyethanol (and) Ethylhexyl Glycerin (Euxyl PE 9010)	0.70	0.70	
	<b>G-Block DZ 370 CCT</b>	<b>30.0</b>	-	
	<b>G-Block DZ 480 CCT</b>	-	<b>28.0</b>	
	Octadecane (Parafol 18-97)	2.50	3.00	
	Ethyl Macadamiate (Floramac 10)	2.50	3.00	
	Polyglyceryl-4 Diisostearate/Polyhydroxystearate/Sebacate (Isolan GPS)	3.20	3.20	
C	Hydrogenated Castor Oil (Castor Wax MP 70)	1.00	1.00	
	Dodecane (Parafol 12-97)	10.0	10.0	
<b>Feature</b>	Viscosity (cP) @ 10 rpm	10,800	12,000	pH 7.3