



Technical Data Sheet for Phytocare-HA CG DH

Product Description

Phytocare™ is a COSMOS-approved biological active extracted from Snow Mushrooms. It has played a prominent role in Chinese history as a celebrated ingredient in herbal, cosmetic, and culinary applications. It features powerful hydration, film forming and anti-oxidation properties, making it very suitable for anti-aging, antipollution, and urban defense formulations.

Legislation

- INCI Tremella Fuciformis Sporocarp Extract
- CAS # 778577-37-0
- REACH PRE-REGISTRATION# 05-2116472879-22-0000
- EC NO. 310-127-6

General Product Specification

<u>Item</u>		<u>Specification</u>	<u>Methods</u>
Appearance		White or light yellow	Visual
Odor		Slight characteristic odor or odorless	Organoleptic
Identify Test	Total Saccharide	Orange yellow	Phenol sulfuric acid method
	Glucuronic Acid	Amaranth (or peachblow)	Sulfuric Acid Carbazole Method
Particle size		> 80 mesh	2010 version of CHP 1 st Volume Appendix
pH		5.5 -7.5	0.5% aqueous solution, Glass electrode
% loss on drying		< 10%	1g, 4 hrs, 105C
% Ignition residue		< 15%	2010 Version of CHP 1 st volume, Appendix IV
Molecular weight		> 50,000	Ubbelohde Viscometer method
% Nitrogen		< 0.5%	Kjedahl Determination

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Quantitative method	Total	≥80%	Phenol Sulfuric acid
	Glucuronic	13 – 30%	Sulfuric acid Carbazole method
Heavy metal, ppm		≤ 20 ppm	20120 Version CHP 1 st volume Appendix IXE (2 nd method)
Arsenic, ppm		≤ 2 ppm	2010 version of CHP 1 st Volume, Appendix IXF (Arsenic Stain Method)
Total bacteria count (cfu/g)		< 200	Test Standard of for Import-Export Food of People's Republic of China. SN 0168
Total yeast & Mold (cfu/g)		< 100	GB4789.15-2010
Thermotolerant Coliforms		Negative	Test Standard of for Import-Export Food of the People's Republic of China. SN 0169

Safety data:

- Repeated Insult Patch Test (RIPT) shows no skin irritation and no skin sensitization.
- Acute Eye irritation: None
- Pesticide Detection: 532 pesticide residues not detected

Features/Benefits

- 100% pure cosmetic grade active, designed for dermal safety with no filler materials
- Micromolecule with significantly smaller molecular weight, allows for deeper penetration into the dermis layer to re-hydrate skin cells. This is essential as the dermis layer retains the largest proportion of water vs. the outermost epidermis layer.
- Clinically proven to penetrate twice as much as standard low molecular weight hyaluronic acid
- Biomimetic signaling increases proliferation of fibroblasts cells. Fibroblasts are responsible for producing collagen and other structural components to support healthy cellular networks
- Biomimetic signaling encourages fibroblast cells to boost internal production of hyaluronic acid by nearly 10%.
- Synergizes well with high molecular Phytocare grades, creating a snow mushroom complex that creates a protective outer water retention film while also improving wellness and hydration of important skin cells residing deeper in the skin

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- Microbiome friendly - Tremella polysaccharides function as a prebiotic to promote growth of popular probiotic bacteria such as lactobacillus and bifidobacterium.
- Meets COSMOS natural and organic standards, Halal certified

Applications

Cosmetic and Toiletry:

- Dermaceutical skincare with clinical hydration claims
- Multifunctional color cosmetics with skin hydration benefits
- Specialized serums with high concentrations of active complexes

How to use it?

- Soluble in water, add while mixing vigorously
- Fastest way to incorporate is to pre-mix into glycerin and then add slurry to water at 50 to 60 Celsius

Packaging

100 gram plastic jars

Storage

- Store the product in its original package and avoid storing at extreme high and low temperature.

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