



# SPECIFICATIONS & DETAILS

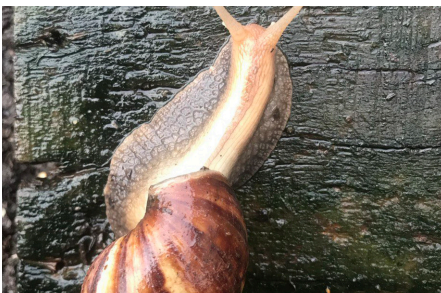
## SNAIL FARM CAMBODIA

### I. OUR MAIN PRODUCT

Name	Premium Freeze-dried snail mucin ( <b>Snail Mucin</b> )
Origin	' <b>Achatina Fulica</b> <sup>1</sup> ' raised in a controlled environment
Extraction method	Manual extraction without chemicals, <b>cold freeze-drying</b>
Packaging	500g <b>vacuum-sealed</b> plastic bags (or custom) + QR code for traceability
Recommended use	Dosage 1% to 5% in formulations (serums, creams, masks)
Compliance	<b>Cosmos</b> (certification pending), 100% natural origin
Regulatory info	No additives, preservatives or solvents; non-irradiated, GMO-free, allergen-free; full traceability and hygiene protocols

Target applications:

- Cosmetics (serums, anti-aging creams, moisturizers, healing products)
- Pharmaceutical and dermocosmetic products





## II. TECHNICAL CHARACTERISTICS

Properties	Values / Information
<b>Physical and chemical specifications:</b>	pH (1% solution): 5.5–7.0 Moisture < 5% Protein content > 20%
<b>Appearance</b>	Fine pale beige powder Odor Slightly characteristic
<b>Solubility</b>	Soluble in water
<b>Glycoprotein concentration</b>	80–90% (lab tested)
<b>Cosmetic properties</b>	Regenerating, repairing, moisturizing, soothing, antioxidant, promotes healing
<b>Microbiology</b>	Aerobic/anaerobic germs: < 100 CFU/g Yeasts/molds: < 50 CFU/g Pathogens: Absent
<b>Storage</b>	Keep away from humidity and light / 24 months in sealed packaging

### III. ETHICAL COMMITMENTS & CERTIFICATIONS



#### **Organic and traceable ingredients**

We feed our snails exclusively with organic vegetable sourced from trusted farms near Siem Reap (Angkor Wat) and Koh Rong, which also supplies high-end hotels and restaurants in the region. The primary components of their diet include carrots, cabbage, and lettuce, all cultivated without synthetic chemicals or pesticides. In their early growth stages, snails are also given natural calcium supplements to help fortify their shells. Full traceability is maintained from feeding to extraction.

#### **Cruelty-Free Practices (100% animal-friendly)**

Our extraction method ensures zero harm and minimal stress to the snails. Slime is naturally secreted during transport or mild environmental changes. We gently place the snails in breathable netted baskets in small batches (about 20 per unit), allowing them to secrete mucin. The secretion is collected without direct handling or stimulation. Snails are then immediately returned to their habitat. Mortality is extremely rare — less than 0.2% — and is usually due to natural aging, not the harvesting process.

#### **Halal Certified**

Our snail mucin is processed according to Halal standards, ensuring purity, hygiene, and ethical treatment throughout the farming and extraction process. No alcohol, animal by-products, or impure substances are involved. Our certification allows us to supply brands that cater to the global Muslim skincare market.

#### **Fairtrade practices**

We operate a single local farm where all workers are paid fairly and treated with respect. Our practices align with Fairtrade principles by ensuring decent working conditions, no child labor, and opportunities for local economic development. As we grow, we remain committed to extending these values to future partnerships and satellite farms.

#### **Eco-responsible production**

From feed sourcing to packaging, our entire process minimizes environmental impact. We use leftover food streams, without chemicals, and maintain a closed-loop farming system. Our freeze-drying method is energy-efficient, preserving mucin naturally without preservatives, and our packaging is recyclable and QR-coded for traceability.

We've also taken great care with our water source. A 100-meter-deep well was dug on-site to access groundwater with an optimal pH level, ensuring the best possible environment for our snails. To guarantee safety and consistency, the water is tested every six months by the Institut Pasteur du Cambodge, an internationally recognized health and research organization.

#### **No synthetic additives**

Our mucin is 100% pure — no preservatives, fragrances, stabilizers, or artificial chemicals are used. It is freeze-dried directly after extraction, maintaining its natural composition and potency for skincare or pharmaceutical formulations.

### IV. COMPETITIVE ADVANTAGES

- Hand-extracted mucin, no stress to snails
- Sustainable approach with low environmental impact
- Full traceability and fair partnerships with farmers
- High global demand in the natural skincare market

**Active Component**

**Function/Benefit**

Glycoproteins	Help with skin healing, hydration, and elasticity.
Hyaluronic Acid	Powerful moisturizer, helps retain skin moisture.
Glycolic Acid	Gently exfoliates skin, boosts collagen production, fades scars and pigmentation.
Allantoin	Soothes irritation, stimulates skin regeneration, promotes healing.
Collagen	Supports skin structure, improves firmness and elasticity.
Elastin	Helps maintain skin flexibility and elasticity.
Antimicrobial Peptides	Protects against bacterial infections and supports wound healing.
Zinc	Anti-inflammatory, regulates oil production, promotes healing.
Copper Peptides	Stimulate collagen and elastin production, improve skin regeneration and firmness.
Vitamins (A, C, E)	Antioxidants that protect skin from free radicals and improve tone and texture.
Proteoglycans	Enhance skin hydration and structural integrity.

## V. THE COMPANY



- Name: **Snail Farm Cambodia**
- Status: In development (2025)
- Founder: **Olivier Favreau**
- Location: Cambodia
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