# Pieridae Beauty – Everyday Barrier Moisturizer

## Product Summary

A silky, quick-absorbing cream moisturizer designed to strengthen the skin barrier and provide lasting hydration. Formulated without EDTA or Tetrahexyldecyl Ascorbate. Best packaged in an airless pump for freshness.

## Formula – 100 g Batch

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| --- | --- | --- | --- |
| Phase | Ingredient | % w/w | Grams |
| A | Distilled water | q.s. to 100 | ≈69.65 g |
| A | Vegetable glycerin | 4.00 | 4.00 g |
| A | Sodium Lactate (60% solution) | 1.50 | 1.50 g |
| A | Niacinamide | 2.00 | 2.00 g |
| A | Panthenol (DL‑Panthenol) | 0.50 | 0.50 g |
| A | Xanthan gum (soft) | 0.15 | 0.15 g |
| B | Olivem 1000 | 4.00 | 4.00 g |
| B | Cetearyl alcohol | 2.00 | 2.00 g |
| B | Jojoba oil | 3.00 | 3.00 g |
| B | Olive squalane | 3.00 | 3.00 g |
| B | Shea butter (refined) | 2.00 | 2.00 g |
| C | Manuka honey | 2.00 | 2.00 g |
| C | Green tea extract (powder, water‑soluble) | 0.20 | 0.20 g |
| C | Hyaluronic Acid 1% solution (LMW) | 5.00 | 5.00 g |
| C | PE 9010 (Phenoxyethanol & Ethylhexylglycerin) | 1.00 | 1.00 g |

## Manufacturing Procedure

1. 1. Pre‑mix xanthan gum into glycerin until smooth (Phase A‑1).
2. 2. Add distilled water, sodium lactate, niacinamide, and panthenol into main beaker. Disperse xanthan slurry. Heat to 75–78 °C.
3. 3. In separate beaker, combine Olivem 1000, cetearyl alcohol, jojoba oil, squalane, and shea butter. Heat to 75–78 °C until melted.
4. 4. Slowly add oil phase (B) to water phase (A) under propeller mixing (1,500–2,000 rpm). Homogenize briefly.
5. 5. Cool under gentle mixing to <40 °C.
6. 6. Add Phase C: manuka honey, green tea extract, hyaluronic acid solution, and PE 9010. Mix well.
7. 7. Adjust pH to 5.2–5.6 using 10% NaOH or 10% citric acid as needed.
8. 8. Allow bubbles to dissipate, then package into airless pumps.

## INCI Listing

Aqua (Water), Glycerin, Cetearyl Olivate, Sorbitan Olivate, Sodium Lactate, Niacinamide, Squalane, Simmondsia Chinensis (Jojoba) Seed Oil, Cetearyl Alcohol, Butyrospermum Parkii (Shea) Butter, Panthenol, Mel (Honey), Sodium Hyaluronate, Camellia Sinensis Leaf Extract, Phenoxyethanol, Ethylhexylglycerin, Xanthan Gum.

## Usage

Apply 1–2 pumps to clean face and neck AM & PM after serums. Follow with sunscreen during the day.