Pieridae — Daily Session Log (2025-09-05)

Operational snapshot of today’s lab and brand decisions. This log consolidates formulations, SOP deltas, files created, and next-step actions to maintain a single source of truth.

# Key Decisions Locked

• Hydrating Mist: SOP uses Allantoin side‑solution at 65 °C; panthenol protected (cool‑down). Target pH 4.8–5.2 (aim 4.9–5.0).

• Hydrating Mist label: VistaPrint-ready 2×4 in wrap (PDF with bleed).

• Honey Melt Leave‑In Serum: Deviated build approved with Ceramide Complex (2.0%) and VegeKeratin™ (2.0%); water rebalanced to 64.2%. Target pH 4.8–5.2.

• Ceramide Complex Handling: Prevention + Rescue SOP for BTMS systems added to Knowledge Base (graininess risk and fixes).

• Curling Gel: Clear, soft–medium hold; powder‑mode Acrylates Copolymer (1.8%) + Sepimax ZEN (0.8%); target pH ~6.0.

• Curling Gel SOP updated with magnetic‑stirrer parameters (RPM, vortex depth, de‑bubble routine).

• Packaging: Honey Melt → airless pump primary; Curling Gel → 100–150 mL soft tottle or PET bottle + disc‑top (2.0–3.0 mm orifice).

# Artifacts Created (Files)

• Pieridae\_Hydrating\_Mist\_Spec.docx — Full spec + manufacturing steps + QC.

• Pieridae\_Hydrating\_Mist\_Label.pdf — VistaPrint wrap label (2×4 in, bleed + safe zones).

• Pieridae\_Honey\_Melt\_LeaveIn\_Serum\_DEV\_Spec.docx — Deviated build (pre‑VegeKeratin).

• Pieridae\_Honey\_Melt\_LeaveIn\_Serum\_VegeKeratin\_Spec.docx — Finalized VegeKeratin™ variant spec.

• Pieridae\_Curling\_Gel\_SOP\_MagStir.docx — Curling Gel SOP with magnetic‑stirrer parameters.

# SOP Deltas Captured

• Allantoin: dissolve in reserved water at ~65 °C; cool before addition.

• pH Micro‑Tuning: pilot‑dose with 10% solutions; scale to batch; recheck at T+24 h.

• Ceramide Complex: warm pre‑dispersion (35–40 °C) and cool‑down add before final pH shot; Rescue SOP for graininess.

• Curling Gel: ZEN dust‑in; Acrylates Copolymer slurry/drizzle; neutralize to ~6.0 for clarity and hold.

# Packaging Decisions

• Honey Melt: 100 mL airless pump, PP mono‑material preferred, 0.25–0.35 mL output, metal‑free path.

• Curling Gel: 100–150 mL soft tottle (flip‑top) or 150 mL PET + disc‑top, 2.0–3.0 mm orifice; ≤32 °C fill; headspace 3–5%.

# Open Actions — Tomorrow’s Shortlist

• Export Curling Gel spec to Word/PDF (100 g + 300 g + 333 g tables).

• Generate Hydrating Co‑Wash spec to Word/PDF and add packaging matrix.

• Bench‑verify Curling Gel viscosity window (Brookfield LV) and lock orifice spec.

• Run 50‑Q CISM practice quiz and log weak topics (if Sunday).

• Update Pieridae\_Knowledge\_Base with any new files after sign‑off.