5g–15g Thermoformed Clay Mask, Jelly Sleeping Mask & Hair Mask Pods — Engineering TDS

Single-Serve 5-Layer PP/EVOH Moisture-Barrier Mini Cups + Easy-Peel Aluminum Foil · Turnkey Filled or Empty Cups

Verified Corporate & GMP Baseline:
- **Operating Entity:** Guangzhou Yanmei Bio-Technology Co., Ltd. (Tax / Credit ID: `91440106050647021B`)
- **Registered Hub:** Room 801-A, Bldg 8, Plot 5, No. 12 Lvgang 5th St, Huadu Airport Zone, Guangzhou, China
- **Group GMP Credentials:** Parent Co. Fujian Yanse Cosmetics Co., Ltd. holds Bureau Veritas ISO 22716 (`CNSH25778319-IS022716`), US FDA Cosmetic GMP (`CNSH25778319-USFDA`) & License `闽妆20250005`
- **Sample SLA:** Stock Benchmark Kit in **48 Hours** · Custom Lab Counter-Sample in **7–10 Days** (200% PO Rebate)



1. Multi-Layer Barrier & Unit-Dose Process Architecture

LAYER 1	LAYER 2	LAYER 3	LAYER 4	LAYER 5
PP Structural Rim & Pan	Tie Layer	EVOH Moisture/Oxygen Barrier	PP Inner Cosmetic Contact Wall	4.0N Easy-Peel Lacquered Alu Foil

2. Standard Stock-Tooling SKU Matrix, Agile MOQs & Export Carton CBM

Format / Variant	Barrier & Formulation Specification	Agile Pilot MOQ	Lead Time	Export Logistics
5g / 8g Facial Clay Pod	Kaolin + Bentonite + Cica Pore Mud Mask Cup	**5,000 Cups Pilot MOQ**	14–18 Days	14 Cartons / 0.52 CBM per 10k
10g Sleeping Jelly Pod	Overnight Collagen + Niacinamide Bouncy Jelly	**5,000 Cups Pilot MOQ**	14–18 Days	15 Cartons / 0.56 CBM per 10k
12g / 15g Hair & Scalp Pod	Post-Color Keratin Hair Mask / Sea-Salt Scrub	**10,000 Cups**	15–18 Days	18 Cartons / 0.68 CBM per 10k
Empty Cup + Foil Supply	Pre-Formed Cleanroom PP/EVOH Cups + Die-Cut Lids	**30,000 Empty Sets**	10–14 Days	10 Cartons / 0.38 CBM per 10k

3. Quantitative Laboratory Quality Control & Transit Validation Gates

Inspection Gate	Test Method / Equipment	Acceptance Specification	Commercial Benefit
Moisture Loss (WVTR)	90-Day Weight-Loss Assay @ 40°C	`< 0.8% Net Weight Loss`	Clay Masks Never Crack or Dry Out

Inspection Gate	Test Method / Equipment	Acceptance Specification	Commercial Benefit
Lidding Foil Peel Force	180° Peel Tester	`3.5 – 5.5 N / 15mm`	Clean Rim Peel With Wet Fingers
High-Viscosity Piston Fill	Servo Positive-Displacement Pump	`up to 120,000 cP + Scrub Beads`	Zero Seal-Flange Contamination
Drop & Parcel Compression	ISTA 3A E-Commerce Drop Test	`≥ 35 kgf Top-Load Strength`	Zero Rim Deformation

Direct B2B OEM/ODM Engineering & Quotation Desk — Alex Gao:
• **Email:** alex@yanmeicos.com | **WhatsApp / Direct:** +86 177 0196 2698 | **Web Configurator:** https://yanmeicos.com
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