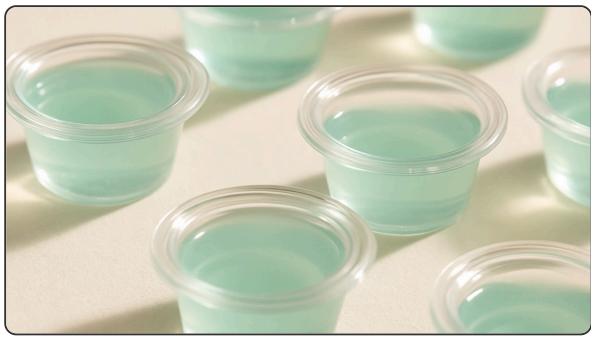
Single-Serve Mouthwash Pods & 5-Layer Blister Cups — Engineering TDS

10mL / 12mL / 15mL 5-Layer PP/EVOH Barrier Cups + Easy-Peel Foil · Alcohol-Free CPC / Xylitol / Probiotic Oral Care OEM

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-ISO22716`), 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 Outer Structural Layer (180µm)	Maleic Anhydride Tie Resin	EVOH Flavor & Oxygen Barrier (25µm)	Tie Resin	Food-Grade PP Seal Layer (150µm)

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

Format / Variant	Barrier & Formulation Specification	Agile Pilot MOQ	Lead Time	Export Logistics
10mL Stock Jelly Cup	Ø36mm × H22mm 5-Layer PP/EVOH + Easy-Peel Foil	**10,000 Pods (2×5k Split)**	14–18 Days	20 Cartons / 0.70 CBM per 10k
12mL Flagship Cup	Ø38mm × H24mm 5-Layer PP/EVOH + Custom Box	**10,000 Pods**	14–18 Days	20 Cartons / 0.72 CBM per 10k
15mL Extended Rinse Cup	Ø40mm × H26mm 5-Layer PP/EVOH + Easy-Peel Foil	**30,000 Pods**	16–20 Days	22 Cartons / 0.82 CBM per 10k
Empty Cup + Foil Supply	Cleanroom Pre-Formed PP/EVOH Cups + Die-Cut Lids	**30,000 Sets**	10–14 Days	12 Cartons / 0.44 CBM per 10k

3. Quantitative Laboratory Quality Control & Transit Validation Gates

Inspection Gate	Test Method / Equipment	Acceptance Specification	Commercial Benefit
Fluid Rheology & pH	Brookfield LV Spindle #1 / pH Meter	`1.5–6.0 cP · pH 5.5–7.2`	Zero Stringiness · Enamel Safe

Inspection Gate	Test Method / Equipment	Acceptance Specification	Commercial Benefit
Menthol/Flavor Retention	GC-MS 24-Month Accelerated Assay	`≥ 96.5% Volatile Oil Retention`	EVOH Prevents Flavor Scalping
Altitude Vacuum Seal	ASTM D3078 Vacuum Chamber	`−0.08 MPa × 30 min`	100% Air-Cargo & FBA Safe
Cold-Chain Freeze-Thaw	3-Cycle Thermal Cycling	`−25°C (24h) ↔ +45°C (24h)`	Zero Phase Separation or Turbidity

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