Aseptic Blow-Fill-Seal (BFS) Monodose Cosmetic Serum Ampoules — Engineering TDS

1.0mL–5.0mL Virgin LDPE/PP Shatterproof 5-Strip Vials · ISO Class 5 Laminar 3-in-1 Extrusion-Blow-Fill-Seal

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
100% Virgin Additive-Free LDPE/PP Resin	175°C Parison Extrusion	ISO Class 5 Laminar Air Shower	Chilled Precision Nozzle Dosing	Reclosable Twist-Off Top Tab

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

Format / Variant	Barrier & Formulation Specification	Agile Pilot MOQ	Lead Time	Export Logistics
1.5mL Reclosable 5-Strip	Daily Barrier Hyaluronic + Panthenol + Ectoin	**20,000 Vials ($0 Mold)**	16–20 Days	12 Cartons / 0.40 CBM per 10k
2.0mL Flagship Twist Vial	Blue Copper Peptide + Collagen Topical Essence	**20,000 Vials ($0 Mold)**	16–20 Days	12 Cartons / 0.42 CBM per 10k
5.0mL Scalp/Salon Monodose	Peptide + Rosemary Topical Scalp Tonic Vial	**20,000 Vials ($0 Mold)**	16–20 Days	16 Cartons / 0.58 CBM per 10k
Custom Embossed BFS Mold	Custom Brand Logo Embossed on Vial Paddle/Body	**100,000 Vials**	28–32 Days	12 Cartons / 0.42 CBM per 10k

3. Quantitative Laboratory Quality Control & Transit Validation Gates

Inspection Gate	Test Method / Equipment	Acceptance Specification	Commercial Benefit
Particulate & Glass Safety	Light Obscuration Particle Counter	`0 Glass Micro-Shards`	100% Shatterproof Polymer Safety

Inspection Gate	Test Method / Equipment	Acceptance Specification	Commercial Benefit
Twist-Tab Opening Torque	Digital Cap Torque Meter	`0.08 – 0.16 N·m`	Smooth Effortless Twist · Clean Neck
Bioburden Control	ISO Class 5 Filling Zone Monitoring	`< 10 CFU/g Total Count`	Supports Preservative-Minimized INCI
Extractables & Leachables	Additive-Free Polyolefin Resin COA	`0% Phthalates / 0% BPA`	High-Sensitivity Skin Compatible

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