

This technical guide establishes required parameters for packaging, labeling, and shipping analytical compounds to Verified Sciences laboratories. Following these protocols ensures sample integrity and prevents intake delays.

1. SECURE PACKAGING PROTOCOLS

- **Primary Containment:** Materials must be sealed within clean glass vials with crimped septa caps or robust micro-centrifuge tubes. Do not submit loose powder inside zip-lock bags.
- **Secondary Containment:** Place primary vials inside a clear, leak-proof secondary biohazard bag lined with clean absorbent padding.
- **Outer Shipping Shell:** Pack assemblies inside rigid shipping boxes using protective foam sheets to isolate materials from drop shocks and thermal swing.
- **Labeling:** Every primary container must carry a unique, legible sample identifier matching the Chain of Custody manifest.

2. TEMPERATURE CONTROLS & TRANSIT HOLD TIMES

| SAMPLE MATRIX TYPE | TEMPERATURE REQUIREMENT | MAX TRANSIT WINDOW | PRESERVATION MEDIUM |
|-------------------------|----------------------------|--------------------|-----------------------|
| Lyophilized Peptides | Cold Chain (2°C to 8°C) | 72 Hours | Gel Ice Thermal Packs |
| Liquid Aliquots / Oils | Frozen Chain (-20°C ± 5°C) | 48 Hours | Solid Dry Ice Pellets |
| Stable Solid Powders | Ambient (15°C to 25°C) | 5 Business Days | Desiccant Sachet |
| Microbial Swabs / Media | Cold Chain (2°C to 8°C) | 24 Hours | Gel Ice Thermal Packs |

3. REQUIRED DOCUMENTATION

- Completed Chain of Custody form (VS-FM-COC-01) referencing your project ID.
- Safety Data Sheet (SDS) for any unknown, hazardous, or controlled material.
- Pre-authorization and DEA 222 coordination for any controlled substance.
- Sufficient sample mass / volume for triplicate analysis plus a retention aliquot.