## Corning 1185L49CS

# CORNING GOSSELIN LC150A-05 Square HDPE Storage Bottle User Manual

Model: LC150A-05 / 1185L49CS

## Product Overview

The CORNING GOSSELIN LC150A-05 Square HDPE Storage Bottle is designed for efficient sampling and storage of various substances. Made from High-Density Polyethylene (HDPE), these bottles offer durability and chemical resistance. Their square design optimizes shelf space, providing 13% to 20% more storage efficiency compared to traditional round bottles. This particular model comes with a 37mm red screw cap and is sterile, ensuring suitability for sensitive applications.

Image: A clear, square-shaped HDPE storage bottle with a red screw cap. The bottle features volume graduations on its side, indicating measurements up to 1.5 liters.

## Key Features

- **Material:** High-Density Polyethylene (HDPE) for bottle, Polypropylene (PP) for cap.

- **Capacity:** 150 mL.
- **Cap:** 37mm Red Screw Cap, ensuring a secure seal.
- **Sterility:** Sterile SAL 10-3, suitable for sensitive laboratory applications.
- **Design:** Square shape for optimized storage space.
- **Accessibility:** Large neck opening for easier liquid transfer.
- **Graduations:** This 150 mL model is not graduated.

*Note:* While other sizes in this bottle series may be graduated, the 150 mL model (LC150A-05) is typically not graduated according to product specifications.

## Setup and Preparation

1. **Inspection:** Upon receiving the bottles, inspect the packaging and individual bottles for any signs of damage or compromise to sterility. Do not use if the packaging is damaged or the seal is broken.
2. **Storage:** Store bottles in a clean, dry environment away from direct sunlight and extreme temperatures.
3. **Pre-use Check:** Before use, ensure the bottle and cap are free from any particulate matter or defects.
4. **Sterility:** These bottles are supplied sterile. Do not re-sterilize or reuse if sterility is critical for your application, as this may compromise the material integrity or sterility level.

## Operating Instructions

1. **Filling:** Carefully pour the liquid, semi-liquid, or solid substance into the bottle. The large neck opening facilitates easy filling.
2. **Capping:** Securely screw on the red cap until hand-tight. Avoid overtightening, which can damage the cap or bottle threads.
3. **Storage:** Place the filled bottle in the desired storage location. The square design allows for efficient use of space.
4. **Handling:** Always handle bottles with care, especially when containing hazardous materials.
5. **Temperature Range:** Ensure the contents and storage environment are within the recommended temperature range for HDPE, typically -80°C to 120°C, though specific application temperatures may vary. Consult material compatibility charts if unsure.

## Maintenance and Care

These bottles are designed for single-use applications, especially when sterility is paramount. Therefore, routine maintenance and cleaning for reuse are generally not recommended.

- **Disposal:** Dispose of bottles and their contents according to local regulations and laboratory safety protocols after use.
- **Cleaning (if applicable for non-sterile, non-critical use):** If bottles are used for non-critical applications where reuse is considered, they can be cleaned with mild detergents and rinsed thoroughly with distilled water. However, this may compromise the original sterility and material integrity over time.
- **Inspection for Reuse:** Before any potential reuse, thoroughly inspect the bottle for cracks, discoloration, or any signs of degradation. Do not reuse if any damage is observed.

## Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Leaking from cap | Cap not tightened sufficiently, damaged cap/bottle threads, or incompatible contents. | Ensure cap is hand-tight. Inspect cap and bottle threads for damage; replace if necessary. Verify chemical compatibility with HDPE. |
| Bottle deformation/cracking | Exposure to extreme temperatures, incompatible chemicals, or physical stress. | Ensure contents and storage conditions are within HDPE's temperature and chemical compatibility limits. Avoid dropping or applying excessive pressure. Dispose of damaged bottles. |
| Sterility compromised | Packaging seal broken, improper handling, or reuse after initial sterile use. | Do not use bottles if packaging is compromised. Handle with aseptic technique if maintaining sterility. Do not reuse for sterile applications. |

## Specifications

| Attribute | Detail |
|---|---|
| **Brand** | Corning / Gosselin |
| **Product Model** | LC150A-05 |
| **Item Model Number** | 1185L49CS |
| **Bottle Material** | High-Density Polyethylene (HDPE) |
| **Cap Material** | Polypropylene (PP) |
| **Capacity** | 150 mL |
| **Cap Size** | 37mm Screw Cap |
| **Color** | Natural (bottle), Red (cap) |
| **Sterility** | Sterile SAL 10-3 |
| **Bottle Type** | Square, Disposable |
| **Package Quantity** | Pack of 300 |
| **Package Dimensions** | 3.94 x 3.94 x 3.94 inches (approx.) |



**Related Documents - 1185L49CS**

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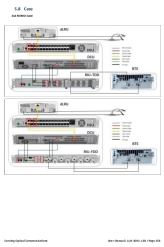
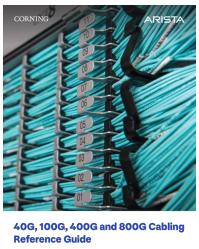
|---|---|
|  | [Corning Everon 6000 MIMO System User Manual: Configurations, LEDs, and RF Specifications]<br>Detailed user manual for Corning Optical Communications' Everon 6000 series MIMO systems. Covers 2x2, 2TO1, and 4TO1 configurations with dLRU, DEU, DCU, RIU, BTS, dMRU, and dHRU components. Includes LED status definitions, release versions, and critical RF exposure warnings for professional installation. |
|  | [Corning MRU & HRU User Manual: Installation and Operation Guide]<br>This user manual provides comprehensive instructions for the installation, configuration, and operation of Corning's MRU (Digital Medium-power Remote Unit) and HRU (High Power Remote Unit) systems, essential components for wireless network infrastructure. |
|  | [Corning Matribot Bioprinter Instruction Manual]<br>Comprehensive instruction manual for the Corning Matribot Bioprinter, detailing setup, operation, maintenance, and troubleshooting for advanced bioprinting applications in tissue engineering and 3D cell culture. |
|  | [Corning KS500/KS250 RJ45 Keystone Cat.6A/6 Installation Instructions]<br>Comprehensive installation guide for Corning KS500 and KS250 RJ45 Keystone Jacks (Cat.6A/6, shielded/unshielded). Covers preparation, wiring, assembly, and ordering information. |
|  | [Corning and Arista 40G, 100G, 400G, and 800G Cabling Reference Guide]<br>A comprehensive guide from Corning Optical Communications detailing cabling scenarios, transceiver types, and part numbers for Arista networks supporting 40G, 100G, 400G, and 800G data rates. Includes local and across-data-center connections. |
|  | [Corning HX Mid-Power DAS User Manual: Installation and Specifications]<br>Comprehensive user manual for the Corning HX Mid-Power Distributed Antenna System (DAS). Covers installation, system architecture, specifications, safety, and regulatory compliance for professional deployment. |