



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DDL, INC.  
DDL CA  
9400 Toledo Way  
Irvine, CA 92618  
Suzette Glennon Phone: 714-979-1712  
Email: [suzette.glennon@ddltesting.com](mailto:suzette.glennon@ddltesting.com)

MECHANICAL

Valid To: May 31, 2023

Certificate Number: 3561.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on shipping containers, medical pouches and medical trays:

**Test:**

**Test Method:**

Small-bore Connectors for Liquids and Gases in Healthcare Applications

ISO 80369-20

– Common Test Methods

Leakage by Pressure Decay  
Falling Drop Positive-Pressure Liquid Leakage  
Subatmospheric-Pressure Air Leakage  
Stress Cracking  
Resistance to Separation from Axial Loading  
Resistance to Separation from Unscrewing  
Resistance to Overriding

Medical Connectors Testing – General

ISO 594-1

Gauging  
Liquid Leakage  
Air Leakage  
Separation Force  
Stress Cracking

Medical Connectors Testing – Lock Fittings

ISO 594-2

Liquid Leakage  
Air Leakage  
Separation Force  
Unscrewing Torque  
Ease of Assembly  
Resistance to Overriding  
Stress Cracking

**Test:**

**Test Method:**

Dye Leak, Non-Porous Packaging

ASTM F3039

Bubble Leak

ASTM F2096

Burst

ASTM F1140

Visual Inspection

ASTM F1886

Peel

ASTM F88

Distribution Testing

ASTM D4169

Altitude

ASTM D6653

Drops

ASTM D5276

Dart Impact

ASTM D6344

Bridge Impact

ASTM D5265

Random Vibration

ASTM D4728

Repetitive Shock – Rotary Vibration

ASTM D999

Repetitive Shock – Linear Vibration

ASTM D999

Compression

ASTM D642

Performance Testing of Packages for Single Parcel Delivery Systems

ASTM D7386

Packaged-Product for Parcel Delivery System Shipment <150 lbs

ISTA 3A

Extended Testing for Package-Products <150 lbs

ISTA 1C

Packaged-Products <150 lbs

ISTA 1A, 2A

Packaged-Products <150 lbs (Random Vibration)

ISTA 1G

FEDEX Procedure for Testing Packaged Products <150 lbs

ISTA 6-FEDEX-A

Temperature Test for Transport Packaging

ISTA 7D

Environmental Conditioning

Packages or Packaging Components

ASTM D4332

Temperature: (-45 to 100) °C

Humidity: (10 to 95) % RH

Packaging Systems for Single Parcel Delivery

ASTM F2825

Accelerated Aging of Sterile Barrier Systems

ASTM F1980



# Accredited Laboratory

A2LA has accredited

**DDL, INC. – DDL CA**

*Irvine, CA*

for technical competence in the field of

**Mechanical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

Presented this 19<sup>th</sup> day of May 2021.



A blue ink signature of the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 3561.02  
Valid to May 31, 2023

*For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.*