



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

DDL, INC.
DDL West
9400 Toledo Way
Irvine, CA 92618
Mrs. Christine Velarde Phone: 714-979-1712
Email: christine.velarde@testedandproven.com

MECHANICAL

Valid To: May 31, 2019

Certificate Number: 3561.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above as well as the satellite location listed below 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
– Common Test Methods

ISO 80369-20

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

Dye Leak Penetration

ASTM F1929

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

Test:

Test Method:

Distribution Testing (continued)

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.

Irvine, CA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 24th day of July 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 3561.02
Valid to May 31, 2019
Revised June 18, 2018

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