



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DDL, INC.
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MECHANICAL

Valid To: May 31, 2021

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
– 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

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

Dye Leak Penetration

ASTM F1929

(A2LA Cert. No. 3561.02) Revised 03/11/2020

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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.

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 3rd day of May 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3561.02
Valid to May 31, 2021

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