SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EXPONENT, INC.
149 Commonwealth Drive
Menlo Park, CA 94025
Kevin Reichelderfer Phone: (650) 688 - 6996
Christina Meddings Phone: (215) 594 - 8906
E-mail: Kreichelderfer@exponent.com; cmeddings@exponent.com

MECHANICAL

Valid to: June 30, 2027 Certificate Number: 2561.03

In recognition of the successful completion of the A2LA Accreditation Program, accreditation is granted to this laboratory to perform the following tests: medical grade plastics, metals and biomaterials, medical consumables, tissue and medical devices in conformance with the U.S. FDA Good Laboratory Practice (GLP) Regulations per 21 CFR 58[1]:

Biomedical Engineering Group

Test Type/Technology:	Test Method:
Retrieval Analysis	SF_SOP 002; ASTM F561 (*except section 16*); ISO 12891-2
Advanced (Water) Contact Angle	ASTM D7334

Materials and Corrosion Engineering

Test Type/Technology:	Test Method:
Corrosion – Cyclic Polarization	ASTM F2129
Corrosion – Anodic Polarization	ASTM G5[2]
Corrosion – Galvanic Corrosion	ASTM F3044
Corrosion – Metal Ion Release	ASTM F3306
Computer Tomography (CT) Examination	SF_SOP 032

Polymer Science and Materials Chemistry

Test Type/Technology:	Test Method:
FTIR	ASTM E334, ASTM E573, ASTM E1252
GCMS	SF_SOP 020 / Modified EPA Method 8270D
LC-UV-MS	SF_SOP 035

Electrical Engineering and Computer Science

Test Type/Technology:	Test Method:
Determination of Alpha and Accessible Exposure for Sources with a Single Centroid Wavelength Between 400 nm and 1100 nm and Continuous Wave Operation	IEC 60825-1 section 5.4.3 for Condition 3

Test Type/Technology:	**Test Method:**
Photobiological safety of lamps and lamp systems	IEC 62471-1
Card Warpage / Overall Card Warpage	ISO/IEC 10373-1 (section 5.1), ISO/IEC 7810 (section 8.10)
Dimensions of Cards	ISO/IEC 10373-1 (section 5.2) ISO/IEC 7810 (section 5.1)
Peel Strength	ISO/IEC 10373-1 (section 5.3) ISO/IEC 7810 (section 8.7)
Resistance to Chemicals	ISO/IEC 10373-1 (section 5.5) (*except Salt Mist*) ISO/IEC 7810 (section 8.3)
Card Dimensional Stability and Warpage with Temperature and Humidity	ISO/IEC 10373-1 (section 5.6) ISO/IEC 7810 (section 8.4)
Adhesion and Blocking	ISO/IEC 10373-1 (section 5.7) ISO/IEC 7810 (section 8.8)
Bending Stiffness	ISO/IEC 10373-1 (section 5.8) ISO/IEC 7810 (section 8.1)
Dynamic Bending Stress, ID-1 Card Flexure (Flex Testing with In-Situ RFID Field Monitoring)	ISO/IEC 10373-1 (section 5.9); ANSI 322 (section 5.3)
Dynamic Torsional Stress	ISO/IEC 10373-1 (section 5.10)
Opacity	ISO/IEC 10373-1 (section 5.11) ISO/IEC 7810 (section 8.9)
Resistance to Heat	ISO/IEC 10373-1 (section 5.14) ISO/IEC 7810 (section 8.11)

[1] The materials testing standards listed on this scope of accreditation may be used for both medical and non-medical plastics and metals.

[2] This method is used as a quality control method for the CAB, not used for reporting.

Accredited Laboratory

A2LA has accredited

EXPONENT, INC.

Menlo Park, 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 4th day of June 2025.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2561.03
Valid to June 30, 2027

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