



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ECLIPSE LABORATORIES
1025 North Highway 3
Northfield, MN 55057
Dr. Brad Paulson Phone: 952 946 8843

MECHANICAL

Valid To: March 31, 2027

Certificate Number: 4200.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on cards:

| Test(s): | Test Method(s): |
|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Mechanical: | |
| Card Warpage | ISO/IEC 10373-1 (Section 5.1), ISO/IEC 7810 (Section 8.10) |
| Card Dimensions | ISO/IEC 10373-1 (Section 5.2), ISO/IEC 7810 (Section 5.2) |
| Peel Strength - 90° | ISO/IEC 10373-1 (Section 5.3), ISO/IEC 7810 (Section 8.7); ANSI/INCITS 322 (Section 5.1) |
| Bending Stiffness | ISO/IEC 10373-1 (Section 5.8), ISO/IEC 7810 (Section 8.1) |
| Surface Profile of Magnetic Stripe | ISO/IEC 10373-2 (Section 5.2) |
| Magnetic Stripe Surface Roughness | ISO/IEC 10373-2 (Section 5.3) |
| Magnetic Stripe Adhesion | ISO/IEC 10373-2 (Section 5.7) |
| Environmental Simulation: | |
| Card Dimensional Stability and Warpage Related to Temp. and Humidity | ISO/IEC 10373-1 (Section 5.6), ISO/IEC 7810 (Section 8.4) |
| Temperature and Humidity Aging Elevated Temperature and Humidity Exposure | ISO/IEC 24789-2 (Section 5.7), ANSI/INCITS 322 (Section 5.7) |
| Resistance to Chemicals | ISO/IEC 10373-1 (Section 5.5 except Salt Mist), ISO/IEC 7810 (Section 8.3) |
| Resistance to Heat | ISO/IEC 10373-1 (Section 5.14), ISO/IEC 7810 (Section 8.11) |
| Elevated Temperature/Humidity and Peel Strength Sequence | ANSI/INCITS 322 (Section 6.3) |
| Temperature and Humidity Aging Followed by Peel Strength Testing | ISO/IEC 24789-2 (Section 5.11) |
| Temperature Shock | ISO/IEC 24789-2 (Section 5.8) |
| Storage Temperature | ISO/IEC 18745-1 (Section 8.3) at 77° C onl7 |
| Image Abrasion | ANSI/INCITS 322 (Section 5.11) |

| Test(s): | Test Method(s): |
|----------------------------------------------|--------------------------------|
| Barcode Abrasion | ANSI/INCITS 322 (Section 5.9) |
| Temperature & Humidity Induced Dye Migration | ANSI/INCITS 322 (section 5.12) |
| Daylight Exposure Image Stability | ANSI/INCITS 322 (section 5.15) |



Accredited Laboratory

A2LA has accredited

ECLIPSE LABORATORIES

Northfield, MN

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 7th day of May 2025.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4200.01
Valid to March 31, 2027

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