# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**Massachusetts State Police Forensic Services Division**
**Crime Laboratory**
**Office of Alcohol Testing**
**124 Acton Street, Maynard, Massachusetts 01754 USA**

Fulfills the requirements of

**ISO/IEC 17025:2017**
**Accreditation Requirements for Forensic Testing and Calibration (2023)**

In the field of

**Forensic Calibration**

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Pamela L. Sale, Vice President, Forensics

Expiry Date: 30 September 2026
Certificate Number: FC-0014

# SCOPE OF ACCREDITATION TO:
# ISO/IEC 17025:2017
**Accreditation Requirements for Forensic Testing and Calibration (2023)**

## Massachusetts State Police Forensic Services Division
## Crime Laboratory Office of Alcohol Testing

124 Acton Street
Maynard, Massachusetts 01754 USA

### FORENSIC CALIBRATION

ISO/IEC 17025 Accreditation Granted: 13 June 2019

Certificate Number: FC-0014 Certificate Expiry Date: 30 September 2026

**Discipline – Toxicology**

| Component Calibrated[1] | Calibration Method | Breath Alcohol Instrument Reporting Range | Expanded Uncertainty of Measurement[2] | Metrological Traceability |
|---|---|---|---|---|
| Infrared Spectroscopy[3] | OAT Certificate of Calibration Procedure for the Alcotest 9510 | 0.00 - 0.079 g ethanol/210 L vapor | ± 0.004 % g ethanol/210 L vapor | Barometer<br>Certified Reference Material |
| | | 0.080 - 0.199 g ethanol/210 L vapor | ± 0.005 % g ethanol/210 L vapor | |
| | | 0.200 - 0.630 g ethanol/210 L vapor | ± 0.011 % g ethanol/210 L vapor | |
| | | | *k*=3, 99.73% | |



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Note 1: Component calibrated indicates the breath alcohol measuring instrument detector(s) used for measuring breath alcohol. Detector(s) used for qualitative purposes will not be listed on the Scope of Accreditation.

Note 2: The expanded uncertainty is expressed at the stated coverage probability (*e.g.*, 95.45%) and coverage factor (*e.g.*, $k = 2$). The actual measurement uncertainty reported on a certificate of calibration will be equal to or greater than the expanded uncertainty of measurement stated on this scope.

Note 3: This instrument also employs Electrochemical Oxidation for qualitative purposes.

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