



ANSI National Accreditation Board

SCOPE OF ACCREDITATION TO: ISO/IEC 17025:2005

**ASCLD/LAB-International Supplemental Requirements
for Forensic Science Calibration Laboratories
Breath Alcohol Measuring Instruments:2016**

Alabama Department of Forensic Sciences Implied Consent Laboratory

168 Chandalar Place Drive
Pelham, Alabama 35124

FORENSIC CALIBRATION

Valid to: August 31, 2022

Certificate Number: ALI-009-C

Discipline – Toxicology

| Component Calibrated¹ | Calibration Method | Breath Alcohol Instrument Reporting Range | Expanded Uncertainty of Measurement² | Measurement Traceability |
|--|---------------------------|--|---|---|
| Infrared Spectrometry/ Electrochemical Oxidation (Fuel Cell) | Measuring Instruments | 0.000-0.449 g ethanol/ 210 L of vapor | 0.000-0.079 g ethanol/ 210 L vapor +/- 8% 0.080-0.149 g ethanol/ 210 L vapor +/- 3.8% 0.150-0.449 g ethanol/ 210 L vapor +/- 2.4% k = 2.262, 95.45% | Certified Reference Materials Barometer |

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.

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