

SCOPE OF ACCREDITATION TO: ISO/IEC 17025:2017

ANAB Forensic Testing & Calibration AR 3125:2019

San Mateo County Sheriff's Office Forensic Laboratory-Breath Alcohol Calibration

50 Tower Road San Mateo, California 94402 USA

FORENSIC CALIBRATION

Expiry Date: 31 July 2023 Certificate Number: FC-0025

Discipline – Toxicology

Component Calibrated ¹	Calibration Method	Breath Alcohol Instrument Reporting Range	Expanded Uncertainty of Measurement ²	Metrological Traceability
Infrared Spectroscopy ³	Breath Alcohol Operating Procedures	0.000-0.630 g of ethanol/210 L of vapor	0.000-0.049 +/- 0.005 g of ethanol /210 L of vapor 0.050- 0.089 +/- 0.006 g of ethanol/210 L of vapor 0.090-0.159 +/- 0.007 g of ethanol/210 L of vapor 0.160-0.630 +/-0.011 g of ethanol/210 L of vapor	Certified Reference Material

- 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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Pamela L. Sale Vice President, Forensics

2000 Regency Parkway, Suite 430, Cary, NC 27518 414-501-5494 www.anab.org





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