

CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Indiana State Department of Toxicology Breath Alcohol Calibration

550 West 16th Street, Indianapolis, Indiana 46202 USA

Fulfills the requirements of

ISO/IEC 17025:2017 ANAB Forensic Testing & Calibration AR 3125:2019

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 <u>www.anab.org</u>.

Pamela L. Sale, Vice President, Forensics

Expiry Date: 31 August 2023 Certificate Number: FC-0012







SCOPE OF ACCREDITATION TO: ISO/IEC 17025:2017 ANAB Forensic Testing & Calibration AR 3125:2019

Indiana State Department of Toxicology Breath Alcohol Calibration

550 West 16th Street Indianapolis, Indiana 46202 USA

FORENSIC CALIBRATION

Expiry Date: 31 August 2023

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Discipline – Toxicology

Component Calibrated ¹	Calibration Method	Breath Alcohol Instrument Reporting Range	Expanded Uncertainty of Measurement ² (g of ethanol/210 L of vapor)	Metrological Traceability
Electrochemical Oxidation ³	Intox EC/IR II Instrument Inspection	0.006 – 0.440g ethanol/210 L vapor	$\begin{array}{l} 0.006 - 0.041 \pm 0.001 \\ 0.042 - 0.069 \pm 0.002 \\ 0.070 - 0.097 \pm 0.003 \\ 0.098 - 0.125 \pm 0.004 \\ 0.126 - 0.153 \pm 0.005 \\ 0.154 - 0.181 \pm 0.006 \\ 0.182 - 0.209 \pm 0.007 \\ 0.210 - 0.237 \pm 0.008 \\ 0.238 - 0.265 \pm 0.009 \\ 0.266 - 0.293 \pm 0.010 \\ 0.294 - 0.321 \pm 0.011 \\ 0.322 - 0.348 \pm 0.012 \\ 0.349 - 0.376 \pm 0.013 \\ 0.377 - 0.404 \pm 0.014 \\ 0.405 - 0.432 \pm 0.015 \\ 0.433 - 0.440 \pm 0.016 \\ \end{array}$	Barometer Certified Reference Material

Version 003 Issued: 21 August 2020



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FC-0012

Indiana State Department of Toxicology Breath Alcohol Calibration

- 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 Infrared Spectrometry for qualitative purposes.

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