



ANSI National Accreditation Board

**SCOPE OF ACCREDITATION TO:
ISO/IEC 17025:2017**

Accreditation Requirements for Forensic Testing and Calibration (2023)

**Virginia Department of Forensic Science
Breath Alcohol Laboratory**

737 North 5th Street
Richmond, Virginia 23219 USA

FORENSIC CALIBRATION

ISO/IEC 17025 Accreditation Granted: 12 September 2009

Certificate Number: FC-0004

Certificate Expiry Date: 31 January 2030

Discipline – Toxicology - Breath Alcohol Instrument Calibration

Component Calibrated¹	Calibration Method	Breath Alcohol Instrument Reporting Range	Expanded Uncertainty of Measurement²	Metrological Traceability
Electrochemical Oxidation ³	Breath Alcohol Procedures Manual - Certification Procedure for the Intox EC/IR II	0.000-0.500 g ethanol/210 L vapor	$\pm 0.003\text{g}$ or 3% whichever is greater ethanol/210L vapor 99.73%, $k=3$	Barometer 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 Infrared Spectrometry for qualitative purposes.

Pamela L. Sale
Vice President, Forensics