

SCOPE OF ACCREDITATION TO: ISO/IEC 17025:2017

Accreditation Requirements for Forensic Testing and Calibration (2023)

Montana Department of Justice Forensic Science Division Breath Alcohol Section

2679 Palmer Street Missoula, Montana 59808 USA

FORENSIC CALIBRATION

Expiry Date: 30 September 2027

Certificate Number: FC-0018

Discipline – Toxicology

Component Calibrated ¹	Calibration Method	Breath Alcohol Instrument Reporting Range	Expanded Uncertainty of Measurement ²	Metrological Traceability
Infrared Spectroscopy	BA-200	0.020-0.080 g ethanol/210 L vapor 0.081-0.200 g ethanol/210 L vapor 0.201-0.300 g ethanol/210 L vapor	$\pm 0.0030 \text{ g}$ ethanol/210L vapor $\pm 0.0046 \text{ g}$ ethanol/210L vapor $\pm 0.0064 \text{ g}$ ethanol/210L vapor 95.45%, k=2	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.

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Version 005 Issued: 01 February 2024

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