



ANSI National Accreditation Board

SCOPE OF ACCREDITATION TO:
ISO/IEC 17025:2017
ANAB Forensic Testing & Calibration AR 3125:2019
FBI Quality Assurance Standards for Forensic DNA Testing Laboratories:2020

Cuyahoga County Regional Forensic Science Laboratory

11001 Cedar Avenue
Cleveland, Ohio 44106 USA

FORENSIC TESTING

Expiry Date: 31 December 2024 Certificate Number: FT-0332

Table with 3 columns: Component/Parameter, Item, Key Equipment/Technology. Rows include DNA Profile Determination, Individual Characteristic Database, Physical Comparison, and Qualitative Determination.

Table with 3 columns: Component/Parameter, Item, Key Equipment/Technology. Rows include Field Sampling, Area of Convergence/Origin Determination, Bloodstain Pattern Classification, and Qualitative Determination.



| <b>Discipline: Firearms and Toolmarks</b> |                           |  |
|---|---------------------------|--|
| <b>Component/Parameter</b>                | <b>Item</b>               | <b>Key Equipment/Technology</b>                              |
| Distance Determination                    | Firearm<br>Physical Item  | Chemical<br>General Microscopy                               |
| Function Evaluation                       | Firearm                   | Visual   |
| Individual Characteristic Database        | Ammunition                | National Integrated Ballistic Information<br>Network (NIBIN) |
| Physical Comparison                       | Ammunition                | General Microscopy<br>Visual                                 |
| Qualitative<br>Determination              | Blood<br>Metal<br>Nitrate | Chemical<br>General Microscopy                               |
| Product (Make/Model) Determination        | Ammunition<br>Firearm     | General Microscopy<br>Reference Collection                   |
| Serial Number Restoration                 | Physical Item             | Chemical<br>General Microscopy<br>Magnetic<br>Visual         |

| <b>Discipline: Friction Ridge</b>  |              |  |
|------------------------------------|--------------|--|
| <b>Component/Parameter</b>         | <b>Item</b>  | <b>Key Equipment/Technology</b>                |
| Enhancement                        | Ridge Detail | Chemical<br>Physical<br>Software Program       |
| Individual Characteristic Database | Ridge Detail | Next Generation Identification System<br>(NGI) |
| Physical Comparison                | Ridge Detail | Software Program<br>Visual                     |

| <b>Discipline: Impressions</b> |   |                                   |
|--------------------------------|---|-----------------------------------|
| <b>Component/Parameter</b>     | <b>Item</b>   | <b>Key Equipment/Technology</b>   |
| Field Sampling                 | Physical Item                                       | Adhesive<br>Cast<br>Electrostatic |
| Enhancement                    | Footwear<br>Physical Item<br>Tire                   | Chemical<br>Physical              |
| Physical Comparison            | Footwear<br>Fractured Item<br>Physical Item<br>Tire | Visual                            |
| Qualitative Determination      | Blood   | Chemical                          |

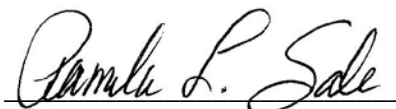
| <b>Discipline: Materials (Trace)</b> |   |   |
|--------------------------------------|---|---|
| <b>Component/Parameter</b>           | <b>Item</b>   | <b>Key Equipment/Technology</b>   |
| Chemical/ Physical Comparison        | Coating<br>Fiber/Textile<br>Fractured Item<br>General Unknown<br>Hair<br>Tape   | Energy Dispersive Spectroscopy<br>General Microscopy<br>Infrared Spectroscopy<br>Measuring Equipment<br>Microspectrophotometry<br>Refractometry<br>Scanning Electron Microscopy<br>Visual |
| Qualitative Determination            | Adhesive<br>Blood<br>Coating<br>Fiber/Textile<br>General Unknown<br>Gunshot Residue<br>Hair<br>Metal<br>Polymer<br>Tape | Energy Dispersive Spectroscopy<br>General Microscopy<br>Infrared Spectroscopy<br>Measuring Equipment<br>Microspectrophotometry<br>Refractometry<br>Scanning Electron Microscopy           |

| <b>Discipline: Scene Investigation</b> |                        |                                 |
|--|------------------------|---------------------------------|
| <b>Component/Parameter</b>             | <b>Item</b>            | <b>Key Equipment/Technology</b> |
| Field Sampling                         | Physical Item          | Not Applicable                  |
| Enhancement                            | Physical Item          | Chemical<br>Physical            |
| Qualitative Determination              | Body Fluid             | Chemical                        |
| Trajectory Determination               | Physical Item<br>Scene | Not Applicable                  |

| <b>Discipline: Seized Drugs</b> |                              |  |
|---------------------------------|------------------------------|--|
| <b>Component/Parameter</b>      | <b>Item</b>                  | <b>Key Equipment/Technology</b>  |
| Qualitative Determination       | Botanical<br>Liquid<br>Solid | Chemical<br>Gas Chromatography<br>General Microscopy<br>Infrared Spectroscopy<br>Mass Spectrometry<br>Visual |
| Weight Measurement              | Botanical<br>Liquid<br>Solid | Balance  |

| <b>Discipline: Toxicology</b>            |  |  |
|--|--|--|
| <b>Component/Parameter</b>               | <b>Item</b>  | <b>Key Equipment/Technology</b>  |
| Qualitative Determination                | Ante-Mortem Biological Item<br>Post-Mortem Biological Item | Colorimetry<br>Gas Chromatography<br>Immunoassay<br>Liquid Chromatography<br>Mass Spectrometry               |
| Qualitative Determination<br>(Volatiles) | Biological Item  | Gas Chromatography<br>Mass Spectrometry  |
| Quantitative Measurement                 | Ante-Mortem Biological Item<br>Post-Mortem Biological Item | Electrochemical<br>Gas Chromatography<br>Liquid Chromatography<br>Mass Spectrometry<br>Infrared Spectroscopy |
| Quantitative Measurement<br>(Volatiles)  | Biological Item  | Gas Chromatography   |

When published on a forensic service provider's Scope of Accreditation, ANAB has confirmed the competence required to develop and validate methods and perform on-going quality assurance for accredited activities. For a listed component/parameter, the forensic service provider may add or modify methods for activities without formal notice to ANAB for items and key equipment/technology listed. Contact the forensic service provider for information on the method utilized for accredited work.



Pamela L. Sale  
Vice President, Forensics