



**ANSI National Accreditation Board**

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

**Accreditation Requirements for Forensic Testing and Calibration (2023)  
FBI Quality Assurance Standards for Forensic DNA Testing Laboratories:2020  
FBI Quality Assurance Standards for DNA Databasing Laboratories:2020**

**Wisconsin Department of Justice - Division of Forensic Sciences**  
(see locations listed below)

**FORENSIC TESTING**

ISO/IEC 17025 Accreditation Granted: 17 September 2012

Certificate Number: FT-0154      Certificate Expiry Date: 30 September 2029

**Wisconsin State Crime Laboratory-Milwaukee**

1578 South 11th Street  
Milwaukee, Wisconsin 53204 USA

| <b>Discipline: Biology</b>         |                                                            |                                                                            |
|------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>Component/Parameter</b>         | <b>Item</b>                                                | <b>Key Equipment/Technology</b>                                            |
| DNA Profile Determination          | Short Tandem Repeat (STR)<br>Y-Short Tandem Repeat (Y-STR) | Capillary Electrophoresis                                                  |
| Individual Characteristic Database | DNA Profile                                                | National DNA Index System (NDIS)                                           |
| Physical Comparison                | DNA Profile                                                | Software Program                                                           |
| Qualitative Determination          | Body Fluid<br>Epithelial Cell                              | Chemical<br>Fluorescence Spectroscopy<br>General Microscopy<br>Immunoassay |

| <b>Discipline: Fire Debris and Explosives</b> |             |                                                                                                                 |
|-----------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Component/Parameter</b>                    | <b>Item</b> | <b>Key Equipment/Technology</b>                                                                                 |
| Qualitative Determination                     | Explosive   | Chemical<br>Energy Dispersive Spectroscopy<br>Gas Chromatography<br>General Microscopy<br>Infrared Spectroscopy |

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|                           |             |                                                                                                        |
|---------------------------|-------------|--------------------------------------------------------------------------------------------------------|
|                           |             | Mass Spectrometry<br>Measuring Equipment<br>Microcrystalline<br>Scanning Electron Microscopy<br>Visual |
| Qualitative Determination | Fire Debris | Gas Chromatography<br>Mass Spectrometry                                                                |
| Weight Measurement        | Explosive   | Balance                                                                                                |

| Discipline: Firearms and Toolmarks |                               |                                                       |
|------------------------------------|-------------------------------|-------------------------------------------------------|
| Component/Parameter                | Item                          | Key Equipment/Technology                              |
| Distance Determination             | Firearm<br>Physical Item      | Chemical<br>General Microscopy<br>Measuring Equipment |
| Function Evaluation                | Firearm                       | Dead Weight<br>Measuring Equipment<br>Visual          |
| Physical Comparison                | Ammunition<br>Tool/Toolmark   | General Microscopy<br>Visual                          |
| Qualitative Determination          | Ammunition<br>Firearm<br>Tool | General Microscopy<br>Reference Collection            |
| Serial Number Restoration          | Physical Item                 | Chemical<br>General Microscopy<br>Visual              |

| Discipline: Friction Ridge         |              |                                                |
|------------------------------------|--------------|------------------------------------------------|
| Component/Parameter                | Item         | Key Equipment/Technology                       |
| 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                     |

| Discipline: Impressions |          |                                          |
|-------------------------|----------|------------------------------------------|
| Component/Parameter     | Item     | Key Equipment/Technology                 |
| Enhancement             | Footwear | Chemical<br>Physical<br>Software Program |
| Physical Comparison     | Footwear | Software Program<br>Visual               |

| Discipline: Materials (Trace) |                                                                                |                                                                                                                                                                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Component/Parameter           | Item                                                                           | Key Equipment/Technology                                                                                                                                                                                                                               |
| Chemical/Physical Comparison  | Coating<br>Fiber/Textile<br>Fractured Item<br>General Unknown<br>Glass<br>Tape | Chemical<br>Energy Dispersive Spectroscopy<br>Gas Chromatography<br>General Microscopy<br>Infrared Spectroscopy<br>Mass Spectrometry<br>Measuring Equipment<br>Microcrystalline<br>Scanning Electron Microscopy<br>Thin Layer Chromatography<br>Visual |
| Qualitative Determination     | Coating<br>Fiber/Textile<br>General Unknown<br>Glass<br>Tape                   | Chemical<br>Energy Dispersive Spectroscopy<br>Gas Chromatography<br>General Microscopy<br>Infrared Spectroscopy<br>Mass Spectrometry<br>Measuring Equipment<br>Microcrystalline<br>Scanning Electron Microscopy<br>Visual                              |

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

| Discipline: Toxicology – General Testing |                             |                                                                                 |
|------------------------------------------|-----------------------------|---------------------------------------------------------------------------------|
| Component/Parameter                      | Item                        | Key Equipment/Technology                                                        |
| Qualitative Determination                | Ante-Mortem Biological Item | Gas Chromatography<br>Immunoassay<br>Liquid Chromatography<br>Mass Spectrometry |
| Qualitative Determination (Volatiles)    | Ante-Mortem Biological Item | Gas Chromatography<br>Mass Spectrometry                                         |
| Quantitative Measurement                 | Ante-Mortem Biological Item | Gas Chromatography<br>Liquid Chromatography<br>Mass Spectrometry                |
| Quantitative Measurement (Volatiles)     | Ante-Mortem Biological Item | Gas Chromatography                                                              |

**Wisconsin State Crime Laboratory-Madison**  
4626 University Avenue  
Madison, Wisconsin 53705 USA

| Discipline: Biology                          |                                                            |                                                                            |
|----------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------|
| Component/Parameter                          | Item                                                       | Key Equipment/Technology                                                   |
| DNA Profile Determination                    | Short Tandem Repeat (STR)<br>Y-Short Tandem Repeat (Y-STR) | Capillary Electrophoresis                                                  |
| DNA Profile Determination (Database Samples) | Short Tandem Repeat (STR)<br>Y-Short Tandem Repeat (Y-STR) | Capillary Electrophoresis                                                  |
| Individual Characteristic Database           | DNA Profile                                                | National DNA Index System (NDIS)                                           |
| Physical Comparison                          | DNA Profile                                                | Software Program                                                           |
| Qualitative Determination                    | Body Fluid<br>Epithelial Cell                              | Chemical<br>Fluorescence Spectroscopy<br>General Microscopy<br>Immunoassay |

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

|                           |       |          |
|---------------------------|-------|----------|
| Qualitative Determination | Blood | Chemical |
|---------------------------|-------|----------|

| Discipline: Impressions   |                   |                                          |
|---------------------------|-------------------|------------------------------------------|
| Component/Parameter       | Item              | Key Equipment/Technology                 |
| Enhancement               | Footwear          | Chemical<br>Physical<br>Software Program |
| Physical Comparison       | Footwear          | Software Program<br>Visual               |
| Qualitative Determination | Blood<br>Footwear | Chemical<br>Reference Collection         |

| Discipline: Materials (Trace) |                |                              |
|-------------------------------|----------------|------------------------------|
| Component/Parameter           | Item           | Key Equipment/Technology     |
| Chemical/ Physical Comparison | Fractured Item | General Microscopy<br>Visual |

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

| Discipline: Toxicology – General Testing |                             |                                                                                 |
|------------------------------------------|-----------------------------|---------------------------------------------------------------------------------|
| Component/Parameter                      | Item                        | Key Equipment/Technology                                                        |
| Qualitative Determination                | Ante-Mortem Biological Item | Gas Chromatography<br>Immunoassay<br>Liquid Chromatography<br>Mass Spectrometry |
| Qualitative Determination<br>(Volatiles) | Ante-Mortem Biological Item | Gas Chromatography                                                              |
| Quantitative Measurement                 | Ante-Mortem Biological Item | Gas Chromatography<br>Liquid Chromatography                                     |

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|                                         |                             |                    |
|-----------------------------------------|-----------------------------|--------------------|
|                                         |                             | Mass Spectrometry  |
| Quantitative Measurement<br>(Volatiles) | Ante-Mortem Biological Item | Gas Chromatography |

**Wisconsin State Crime Laboratory-Wausau**  
7100 W. Stewart Avenue  
Wausau, Wisconsin 54401 USA

| <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<br>Measuring Equipment |
| Function Evaluation                       | Firearm                       | Dead Weight<br>Measuring Equipment<br>Visual          |
| Physical Comparison                       | Ammunition<br>Tool/Toolmark   | General Microscopy<br>Visual                          |
| Qualitative Determination                 | Ammunition<br>Firearm<br>Tool | General Microscopy<br>Reference Collection            |
| Serial Number Restoration                 | Physical Item                 | Chemical<br>General Microscopy<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                     |
| Qualitative Determination          | Blood        | Chemical                                       |

| <b>Discipline: Impressions</b> |             |                                          |
|--------------------------------|-------------|------------------------------------------|
| <b>Component/Parameter</b>     | <b>Item</b> | <b>Key Equipment/Technology</b>          |
| Enhancement                    | Footwear    | Chemical<br>Physical<br>Software Program |
| Physical Comparison            | Footwear    | Software Program<br>Visual               |

|                           |       |          |
|---------------------------|-------|----------|
| Qualitative Determination | Blood | Chemical |
|---------------------------|-------|----------|

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

| Discipline: Toxicology – General Testing |                             |                          |
|------------------------------------------|-----------------------------|--------------------------|
| Component/Parameter                      | Item                        | Key Equipment/Technology |
| Qualitative Determination<br>(Volatiles) | Ante-Mortem Biological Item | Gas Chromatography       |
| Quantitative Measurement<br>(Volatiles)  | Ante-Mortem Biological Item | Gas Chromatography       |

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