



**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**

**West Virginia State Police Forensic Laboratory**

725 Jefferson Road  
South Charleston, West Virginia 25309 USA

**FORENSIC TESTING**

Expiry Date: 28 February 2027

Certificate Number: FT-0235

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

<b>Discipline: Fire Debris and Explosives</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Qualitative Determination	Fire Debris	Gas Chromatography Mass Spectrometry

<b>Discipline: Firearms and Toolmarks</b>		
<b>Component/Parameter</b>	<b>Item</b>	<b>Key Equipment/Technology</b>
Distance Determination	Firearm Physical Item	Chemical General Microscopy Measuring Equipment

Function Evaluation	Firearm	Dead Weight Measuring Equipment Visual
Individual Characteristic Database	Ammunition	National Integrated Ballistic Information Network (NIBIN)
Physical Comparison	Ammunition Tool/Toolmark	General Microscopy Visual
Qualitative Determination	Ammunition Firearm Metal Nitrate Tool	Chemical General Microscopy Measuring Equipment Reference Collection
Serial Number Restoration	Physical Item	Chemical General Microscopy Magnetic Visual
Trajectory Determination	Physical Item	Measuring Equipment

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

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

Discipline: Materials (Trace)		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Gunshot Residue	Energy Dispersive Spectroscopy General Microscopy Scanning Electron Microscopy

Discipline: Seized Drugs		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Botanical Gas Liquid Solid	Chemical Gas Chromatography General Microscopy Infrared Spectroscopy Mass Spectrometry Microcrystalline Raman Spectroscopy Thin-Layer Chromatography Visual
Quantitative Measurement	Solid	Nuclear Magnetic Resonance Spectroscopy
Weight Measurement	Botanical Liquid Solid	Balance

Discipline: Toxicology		
Component/Parameter	Item	Key Equipment/Technology
Qualitative Determination	Ante-Mortem Biological Item	Gas Chromatography Liquid Chromatography Mass Spectrometry
Qualitative Determination (Volatiles)	Ante-Mortem Biological Item Liquid	Gas Chromatography Mass Spectrometry
Quantitative Measurement	Ante-Mortem Biological Item	Gas Chromatography Liquid Chromatography Mass Spectrometry
Quantitative Measurement (Volatiles)	Ante-Mortem Biological Item Liquid	Gas Chromatography Mass Spectrometry

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.



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