



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MICROTRACE LLC  
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FORENSIC TESTING

Valid To: April 30, 2019

Certificate Number: 5106.01

In recognition of the successful completion of the A2LA evaluation process (including compliance to *R221 - Specific Requirements - Forensic Examination Accreditation Program-Testing*), accreditation is granted to this organization to perform the following tests on animal hair and feathers; body fluids; botanical materials; human hair; pollen and spores; tooth, bone, and tissue; vegetable fibers; wood; building materials; asbestos; chemicals; dyes and pigments; explosives; food and food ingredients; geological materials (sand, soil, minerals, dust); glass and ceramics; gunshot and firearms residues; ink; metal and corrosion products; nanomaterials; oil and grease; paint and coatings; paper; pharmaceuticals (drugs, excipients, illicit, legal); polymers; synthetic fibers and textiles; tapes and adhesives; airborne dust and pollution; environmental and settled dust; fire debris; foreign matter and contaminants; smears, residues, and liquids; white powders; and unknowns using methods for the test technologies listed below:

**Test(s):**

**Test Method(s):**

Trace Evidence

Physical Examination

MTDOC\_TP0017; MTDOC\_TP0023

Physical Measurements

Pattern Comparison, Pattern Recognition

Documentation and Illumination, including Alternative  
Light Sources

Physical Examination

MTDOC\_TP0018; MTDOC\_TP0019

Microchemical Methods

Thin Layer Chromatography

Microscopy

MTDOC\_TP0002; MTDOC\_TP0004;  
MTDOC\_TP0006; MTDOC\_TP0007;  
MTDOC\_TP0020; MTDOC\_TP0024

Light (Stereo, Polarized, Comparison, Interference,  
Fluorescence, Phase Contrast, Ultraviolet, GRIM, etc.)

Electron (SEM, Field Emission SEM, TEM, EBSD)

Microanalytical Methods

Microspectroscopy (Infrared, UV/Visible/NIR,  
Fluorescence, Raman)

Mass Spectrometry (GC-MS, Pyrolysis-GC-MS)

X-ray Analysis (XRD, EDS, SAED)

Thermal Analysis (DSC, Hot Stage Microscopy)

Trace Element Analysis (XRF)

General Laboratory Procedures

MTDOC\_TP0005; MTDOC\_TP0008;  
MTDOC\_TP0009; MTDOC\_TP0010;  
MTDOC\_TP0011; MTDOC\_TP0012;  
MTDOC\_TP0013; MTDOC\_TP0021;  
MTDOC\_TP0026; MTDOC\_TP0027

MTDOC\_TP0001; MTDOC\_TP0014;  
MTDOC\_TP0016





## *Accredited Laboratory*

A2LA has accredited

**MICROTRACE LLC**

*Elgin, IL*

for technical competence in the field of

**Forensic Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of A2LA R221 - *Specific Requirements: Forensic Examination Accreditation Program – Testing*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).



Presented this 10<sup>th</sup> day of January 2019.

A blue ink signature of the Senior Director of Accreditation Services.

Senior Director, Accreditation Services  
For the Accreditation Council  
Certificate Number 5106.01  
Valid to April 30, 2019

*For the tests to which this accreditation applies, please refer to the laboratory's Forensic Scope of Accreditation.*