To apply for A2LA accreditation under the forensic field of testing, each applicant is required to identify the discipline/test type/test technology and associated test method(s), manuals, or parameters for which accreditation is sought on Table A below. In addition, please identify the types of products, materials, and/or items that your laboratory tests on Table B below. This will ensure an assessor’s technical expertise is correctly matched to the testing your laboratory performs and enables A2LA staff to generate the desired draft Scope of Accreditation.

Refer to the example proposed scope of accreditation (0000.01) on the next page for reference when entering the required information in tables A and B. Submission via electronic means is preferred.

**Table A**

Discipline/Test Name/Examination Type/Technology: Test Method/Applicable Manual:

|  |  |
| --- | --- |
| Forensic Biology |  |
| Standard Guide for Detection of Nucleic Acid Sequences by the Polymerase Chain Reaction Technique | e.g. ASTM E1873-06 |
| Trace Analysis |  |
| Fiber Analysis: Qualitative | e.g. AATCC 20 |
| Standard Test Method for Determination of Trace Elements in Glass Samples using Inductively Coupled Plasma Mass Spectrometry (ICP-MS) | e.g. ASTM E2330-04 |
| Digital Forensics |  |
| Standard for Forensic Purposes – Criteria for the Authentication of Analog Audio Tape Recordings | e.g. AES 43 |
|  |  |
| **Please attach sheet(s) for additional tests** | |

## Table B

Types of products, materials, and/or structures that the laboratory tests:

|  |
| --- |
| **e.g. blood, semen, saliva, suspected drug samples, hairs, fibers, checks and other documents, firearms, and other forensic evidence.** |
|  |
|  |
|  |

# *PROPOSED SCOPE OF ACCREDITATION*

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EXAMPLE DRAFT SCOPE ORGANIZATION

12345 Main Street

Frederick, MD 21704

John Doe Phone: 555 555 5555

FORENSIC TESTING

Valid To: MM DD, YYYY Certificate Number: 0000.01

In recognition of the successful completion of the A2LA evaluation process (including compliance to

*R221 - Specific Requirements - Forensic Examination Accreditation Program-Testing and Calibration*), accreditation is granted to this organization to perform the following tests or types of tests on paint, glass, fibers, gunshot residue, and other forensic evidence:

| **Discipline/Test/Technology:** | **Test Method(s)/Applicable Manual:** |
| --- | --- |
|  | *Identify the product(s) materials, and/or items on which you perform testing.* |
| Controlled Substances | |
| Thin-Layer Chromatographic Identification Test | USP 201 |
|  |  |
| Dental Forensics | |
| Digital Coding of Oral Health and Care | ISO/TR 13668:1998 |
|  | List the test type/technology and associated standard test method(s)/applicable manual(s) or parameter that the laboratory is seeking accreditation for. |
| Digital Forensics | |
| *Audio:* |  |
| Authentication of Analog Audio Tape  Recordings | AES 43 |
|  |  |
| Environmental Analysis | |
| Standard Guide for Conducting Terrestrial  Plant Toxicity Tests | ASTM E1963-09(2014) |
|  |  |
| Failure Analysis | |
| *Aircraft:* |  |
| Fault/Failure Analysis Procedure | SAE ARP926C |
| *Electrical:* |  |
| Diagnostic Test and Failure Analysis of Microelectronic Devices (VHSIC/VL SI/MIMIC) | DI-QCIC-81201 |
| *Mechanical:* |  |
| Standard Practice for Fractography and Characterization of Fracture Origins in  Advanced Ceramics | ASTM C1322-15(2019) |
|  |  |
| Fire Evidence Examination | |
| Standard Practice for Sampling of Headspace Vapors from Fire Debris Samples | ASTM E1388-17 |
|  |  |
| Firearms and Toolmarks: | |
| *Toolmarks:* |  |
| Standard Guide for Inspection and Evaluation  of Tampering of Security Seals | ASTM F1158-94(2015) |
| Firearms: |  |
| Standard Consumer Safety Specification  for Non-Powder Guns | ASTM F589-17 |
|  |  |
| Forensic Biology | |
| DNA Analysis (STR, Y-STR) | DNA Unit Analytical Manual |
|  |  |
| Forensic Engineering: | |
| Standard Test Method for Determining  Fracture Energy of Asphalt-Aggregate  Mixtures Using the Disk-Shaped Compact  Tension Geometry | ASTM D7313-20 |
|  |  |
| Forensic Toxicology | |
| Gas Chromatography/Mass Spectrometry  (GC/MS) | NCCLS C43-A |
|  |  |
| Latent Print/Impression Examination | |
| Processing | Latent Print Unit Manual  (Sections 1-3 only) |
| Comparisons | Latent Print Unit Manual  (Sections 4-6 only) |
|  |  |
| Trace Analysis | |
| *Fibers:* |  |
| Fiber Analysis: Qualitative | AATCC 20 |
| *Glass:* |  |
| Determination of Trace Elements in Glass Samples using Inductively Coupled Plasma  Mass Spectrometry (ICP-MS) | ASTM E2330-19 |
| *Paint:* |  |
| Standard Guide for Forensic Paint Analysis  and Comparison | ASTM E1610-18 |
| *Gun Shot Residue:* |  |
| Scanning Electron Microscopy / Energy Dispersive X-ray Spectrometry | ASTM E1588-20 |

\* Please note that to be considered for accreditation, a copy of each selected test method and the requisite equipment must be available at the laboratory.

\*\*Please note that a laboratory can be accredited for in-house procedures/test methods in combination with or in lieu of internationally recognized test methods.

**DOCUMENT REVISION HISTORY**

|  |  |
| --- | --- |
| **Date** | **Revision** |
| 01/05/19 | * Integrated into Qualtrax |
| 09/19/19 | * Updated Header/Footer to current version * Added Qualtrax hyperlinks * Updated format and font for consistency |
| 04/27/2021 | * Updated entries to example draft scope |