



**Accredited to LST EN ISO/IEC 17025:2018**  
**LITHUANIAN POLICE FORENSIC SCIENCE CENTRE**  
(Liepyno str. 11A, LT-08105 Vilnius)  
**SCOPE OF ACCREDITATION**  
(Flexible\*)

| Materials or products tested                                         | Component, parameter or characteristic to be tested                                            | Reference number of the document specifying test methods, clause (if relevant) | Techniques, methods and/or equipment used (where appropriate) |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------|
| <b>Chemical examinations</b>                                         |                                                                                                |                                                                                |                                                               |
| Ethyl alcohol, ethyl alcohol solutions and beverages (spirit drinks) | Ethyl alcohol volume concentration                                                             | LST 1536:2015, Part 4                                                          | Determination by alcoholmeter                                 |
|                                                                      |                                                                                                | Commission Regulation (EC) No 2870/2000, Appendix 1                            | Preparation of distillate                                     |
| Drug (powder, tablets)                                               | Quantitative determination of the amphetamine, methamphetamine                                 | KTC SVP – 4/1-10 (7 issue, 30/08/2016)                                         | Gas Chromatography with FID, GC/FID                           |
| <b>Fingerprints examinations</b>                                     |                                                                                                |                                                                                |                                                               |
| Fingerprints                                                         | Determination of fingerprint on non-porous materials (glass, plastic, metal etc.)              | KTC SVP – 7/03 (Article 6.3) (9 issue, 23/01/2023)                             | Physical-chemical development by cyanoacrylate                |
| Fingerprints                                                         | Determination of fingerprint on porous surfaces (paper, cardboard, unfinished wood and others) | KTC SVP – 7/03 (Article 6.6) (9 issue, 23/01/2023)                             | Chemical development by ninhydrin                             |
| Fingerprints                                                         | Determination of fingerprint on wetted surfaces                                                | KTC SVP – 7/03 (Article 6.14) (9 issue, 23/01/2023)                            | Physical-chemical development by Small Particle Reagent (SPR) |
| Fingerprints                                                         | Determination of fingerprint on non-porous adhesive surfaces (adhesive tapes and similarly)    | KTC SVP – 7/03 (Article 6.15) (9 issue, 23/01/2023)                            | Physical-chemical development by Wet Powder Suspension        |
| Fingerprints                                                         | Determination of fingerprint on non-porous surfaces                                            | KTC SVP – 7/03 (Article 6.3.3 2)                                               | Physical-chemical development by „Basic Yellow 40“            |

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|                                                                  |                                                                                                                            | (9 issue, 23/01/2023)                                                          |                                                                                                                     |
| Fingerprints                                                     | Suitability of the fingerprints for personal identification                                                                | KTC SVP – 7/05<br>(5 issue, 02/06/2016)                                        | Detailed examination                                                                                                |
| Fingerprints                                                     | Personal identification by the fingerprints                                                                                | KTC SVP – 7/07<br>(4 issue, 02/06/2016)                                        | Comparative examination                                                                                             |
| <b>Ballistic examinations</b>                                    |                                                                                                                            |                                                                                |                                                                                                                     |
| Firearm marks on fired bullets and cartridge cases               | Identification of the firearms, fired bullets and cartridge cases                                                          | KTC SVP – 3/4<br>(5 issue, 16/05/2016)                                         | Visual examination and comparison microscopy, ballistic identification system <i>BalScan</i>                        |
| Manufactured firearms, firearms components and devices           | Classification, determination of the operability, determination of the possibility of the firearm for accidental discharge | KTC SVP – 3/2<br>(5 issue, 31/03/2010)                                         | Visual examination, function testing, test firing, accidental discharge testing using shock test and (or) drop test |
| Manufactured, handloaded ammunition, ammunition components       | Classification, test firing                                                                                                | KTC SVP – 3/3<br>(4 issue, 31/03/2010)                                         | Visual examination, test firing                                                                                     |
| <b>Toolmarks examinations</b>                                    |                                                                                                                            |                                                                                |                                                                                                                     |
| Marks/impressions of the toolmarks on various surfaces/materials | Identification of the toolmarks by marks/impressions                                                                       | KTC SVP – 2/03<br>(8 issue, 20/10/2021)                                        | Visual examination and comparison microscopy, scanning and comparison system <i>ToolScan</i>                        |
| <b>Handwriting and signatures examinations</b>                   |                                                                                                                            |                                                                                |                                                                                                                     |
| Handwriting and signatures                                       | Personal identification by handwriting and signatures                                                                      | KTC SVP – 1/06<br>(6 issue, 15/07/2011)                                        | Visual comparison examination                                                                                       |
| <b>Vehicles examinations</b>                                     |                                                                                                                            |                                                                                |                                                                                                                     |
| Vehicles                                                         | Determination of mark, model and production year                                                                           | KTC SVP – 9/2<br>(3 issue, 01/04/2010)                                         | Visual examination                                                                                                  |
| Vehicles                                                         | Determination of the primary colour                                                                                        | KTC SVP – 9/3<br>(4 issue, 26/09/2011)                                         | Visual examination method, eddy current method                                                                      |
| Vehicles                                                         | Determination of authenticity                                                                                              | KTC SVP – 9/4                                                                  | Visual examination                                                                                                  |

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|                                                                                                                                    | manufacturer's plates                                                                       | (3 issue, 01/04/2010)                                                          |                                                                                                                                   |
| Vehicles                                                                                                                           | Determination of authenticity of the vehicle identification number (VIN)                    | KTC SVP – 9/5<br>(3 issue, 01/04/2010)                                         | Visual examination                                                                                                                |
| Vehicles                                                                                                                           | Determination of authenticity of aggregate numbers                                          | KTC SVP – 9/6<br>(3 issue, 01/04/2010)                                         | Visual examination                                                                                                                |
| <b>Vehicles and ballistic examinations</b>                                                                                         |                                                                                             |                                                                                |                                                                                                                                   |
| Identification numbers                                                                                                             | Restoration of the VIN, numbers of the aggregate and identification numbers of the firearms | KTC SVP – 9/7<br>(5 issue, 13/04/2011)                                         | Initial inspection (evaluation), chemical etching                                                                                 |
| <b>IT examinations</b>                                                                                                             |                                                                                             |                                                                                |                                                                                                                                   |
| Hard-disk drive data                                                                                                               | Checksum: MD5, connection interface: SATA, PATA                                             | KTC SVP – 10/10 (2 issue 04/05/2022)                                           | Backup of hard-disk drive in „*.e01“ format by using <i>AccessData FTK Imager, X-Ways Forensics, WiebeTech Forensic UltraDock</i> |
| <b>*Biological examinations</b>                                                                                                    |                                                                                             |                                                                                |                                                                                                                                   |
| Reference samples (blood, saliva and (or) database samples)<br>Human biological traces: blood, saliva, semen and touch DNA samples | Sample collection                                                                           | KTC SVP – 5/11                                                                 | Inspection and description of evidences for examination and collection of traces by swabbing, cutting and shaving                 |
| Reference samples (saliva and (or) database samples)                                                                               | Sample collection                                                                           | KTC SVP – 5/3-9<br>Article 6.5.1**                                             | Sample collection                                                                                                                 |
| Human biological traces: blood and semen                                                                                           | Detection                                                                                   | KTC SVP – 5/1-2                                                                | Detecting traces of human blood by immunochromatography                                                                           |
|                                                                                                                                    |                                                                                             | KTC SVP – 5/1-3                                                                | Detecting traces of human semen by immunochromatography                                                                           |
| Reference samples (blood, saliva and (or) database samples)<br>Human biological traces: blood, semen and touch DNA samples         | DNA extraction                                                                              | KTC SVP – 5/2-1                                                                | DNA extraction using <i>Chelex -100</i> resin                                                                                     |
|                                                                                                                                    |                                                                                             | KTC SVP – 5/2-14                                                               | DNA extraction using „ <i>AutoMate Express™</i> “                                                                                 |

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| Reference samples (blood, saliva and (or) database samples)<br>Human biological traces: blood, semen and touch DNA samples | DNA quantification                                  | KTC SVP – 5/9                                                                  | DNA quantification by real time polymerase chain reaction (RT-PCR) |
| Reference samples (saliva and (or) database samples)                                                                       | DNA profiling                                       | KTC SVP – 5/3-9**                                                              | DNA quantification by direct PCR using commercial reagent kit      |
| Reference samples (blood, saliva and (or) database samples)<br>Human biological traces: blood, semen and touch DNA samples |                                                     | KTC SVP – 5/3-7 **                                                             | DNA quantification by PCR using commercial reagent kits            |
|                                                                                                                            |                                                     | KTC SVP – 5/4-1                                                                | Preparation of PCR products for length polymorphism analysis       |
|                                                                                                                            |                                                     | KTC SVP – 5/5-2                                                                | Capillary electrophoresis using genetic analyzers                  |
|                                                                                                                            |                                                     | KTC SVP – 5/7                                                                  | Evaluation of results                                              |

\* Defined and applicable two cases of flexibility for biological scope of accreditation:

- Application of flexibility case for the whole biological scope of accreditation - application of the updated documents of test methods already covered by accreditation or replacing them;
- Application of flexibility case for the biological scope of accreditation marked with “\*\*\*” - application of the method covered by the accreditation for the new determination of component/parameters.

Actual scope of accreditation is published on the website [www.ktc.policija.lrv.lt](http://www.ktc.policija.lrv.lt)

Director

Dalia Baležentė

Note. In case of any discrepancies, ambiguities or disputes regarding the subject matter content between the English and Lithuanian versions of the document, the Lithuanian version shall prevail.