

ACCREDITATION CERTIFICATE

No. LA.226-01

Lithuanian National Accreditation Bureau hereby certifies that

complies with the requirements of

**Forensic Science Service under the
Police Department under the Ministry of the
Interior of the Republic of Lithuania**

LST EN ISO/IEC 17025:2018

legal entity: Policijos departamentas prie Lietuvos Respublikos vidaus reikalų ministerijos
legal entity code: 188785847

and is competent to perform:

forensic tests of objects

The scope of accreditation below is an integral part of this certificate. Locations of the conformity assessment body are specified in the scope of accreditation

Initial accreditation date: **2024-04-26**

Certificate issued / valid since: **2024-04-26**

Version of: **2024-04-26**

Expiry date: **2029-04-25**

Director



DĀLIA BALEŽENTĒ

The certificate may be changed, its validity suspended or withdrawn by the decision of the National Accreditation Bureau. Information on the actual data of accreditation certificates may be verified at nab.lrv.lt





SCOPE OF ACREDITATION

Forensic Science Service under the Police Department under the Ministry of the Interior of the Republic of Lithuania,
 accredited in accordance with **LST EN ISO/IEC 17025:2018**

Location of the conformity assessment body

Liepyno str. 11A, LT-08108 Vilnius, Lithuania

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)
Chemical examinations			
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
Fingerprints examinations			
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
	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
	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
	Determination of fingerprint on non-porous surfaces	KTC SVP – 7/03 (Article 6.3.3.2) (9 issue, 23/01/2023)	Physical-chemical development by "Basic Yellow 40"
	Suitability of the fingerprints for personal identification	KTC SVP – 7/05 (5 issue, 02/06/2016)	Detailed examination

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)
	Personal identification by the fingerprints	KTC SVP – 7/07 (4 issue, 02/06/2016)	Comparative examination
Ballistic examinations			
Firearm marks on fired bullets and cartridge cases	Identification of the firearms, fired bullets and cartridge cases	KTC SVP – 3/4 (5 issue, 16/05/2016)	Visual examination and comparison microscopy, ballistic identification system <i>Ba/Scan</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 (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 (4 issue, 31/03/2010)	Visual examination, test firing
Toolmarks examinations			
Marks/impressions of the toolmarks on various surfaces/materials	Identification of the toolmarks by marks/impressions	KTC SVP – 2/03 (8 issue, 20/10/2021)	Visual examination and comparison microscopy, scanning and comparison system <i>ToolScan</i>
Handwriting and signatures examinations			
Handwriting and signatures	Personal identification by handwriting and signatures	KTC SVP – 1/06 (6 issue, 15/07/2011)	Visual comparison examination
Vehicles examinations			
Vehicles	Determination of mark, model and production year	KTC SVP – 9/2 (3 issue, 01/04/2010)	Visual examination
	Determination of the primary colour	KTC SVP – 9/3 (4 issue, 26/09/2011)	Visual examination method, eddy current method
	Determination of authenticity manufacturer's plates	KTC SVP – 9/4 (3 issue, 01/04/2010)	Visual examination
	Determination of authenticity of the vehicle identification number (VIN)	KTC SVP – 9/5 (3 issue, 01/04/2010)	Visual examination
	Determination of authenticity of aggregate numbers	KTC SVP – 9/6 (3 issue, 01/04/2010)	Visual examination
Vehicles and ballistic examinations			
Identification numbers	Restoration of the VIN, numbers of the aggregate and identification numbers of the firearms	KTC SVP – 9/7 (5 issue, 13/04/2011)	Initial inspection (evaluation), chemical etching

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)
IT examinations			
Hard-disk drive data	Checksum: MD5, connection interface: SATA, PATA	KTV SVP – 10/10 (1 issue, 05/02/2024)	Backup of hard-disk drive in „*.e01“ format by using <i>AccessData FTK Imager, X-Ways Forensics, WiebeTech Forensic UltraDock</i>
Biological examinations			
Reference samples (blood, saliva and (or) database samples) Human biological traces ¹	Sample collection	KTC SVP – 5/11 (3 issue, 11/02/2013)	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 (cutting, breaking and soaking)	KTC SVP – 5/1-2 (3 issue, 06/09/2018)	Sample collection by cutting, breaking and soaking
Human biological traces: blood, semen and saliva	Detection	KTC SVP – 5/1-2 (6 issue, 03/01/2024)	Detecting traces of human blood by immunochromatography
		KTC SVP – 5/1-3 (7 issue, 03/01/2024)	Detecting traces of human semen by immunochromatography
		KTC SVP – 5/1-7 (2 issue, 20/12/2021)	Detecting traces of human saliva by immunochromatography
Reference samples (blood, saliva and (or) database samples) Human biological traces	DNA extraction	KTC SVP – 5/2-1 (8 issue, 03/01/2024)	DNA extraction using <i>Chelex -100</i> resin
		KTC SVP – 5/2-14 (3 issue, 03/01/2024)	DNA extraction using „ <i>AutoMate Express</i> ™”
DNA isolated from reference samples (blood, saliva and/or database samples) and human biological traces	DNA quantification	KTC SVP – 5/9 (7 issue, 03/01/2024)	DNA quantification by Real Time Polymerase Chain reaction (RT-PCR) using <i>AB Real Time PCR System 7500</i> and <i>AB QuantStudio™ 5</i>
DNA isolated from reference samples (blood, saliva and/or database samples)	DNR profiling Locus: D10S1248, vWA, D16S539, D2S1338, D8S1179, D21S11, D18S51, D22S1045, D19S433, TH01, FGA, D2S441, D3S1358, D1S1656, D12S391, SE33, Amelogenin	KTC SVP – 5/3-9 (3 issue, 06/09/2018)	DNA quantification by direct PCR using commercial reagent kit <i>AmpFLSTR® NGM SElect™ Express</i>
DNA isolated from reference samples (blood, saliva and/or database samples) and human biological traces	DNR profiling Locus: D3S1358, vWA, D16S539, CSF1PO, TPOX, D8S1179, D21S11, D18S51, D2S441, D19S433, TH01, FGA, D22S1045, D5S818, D13S317, D7S820, Y indel, Amelogenin, SE33, D10S1248, D1S1656,	KTC SVP – 5/3-7 (6 issue, 03/01/2024)	DNA quantification by direct PCR using commercial reagent kits <i>AmpFfSTR® NGM SElect™</i> , <i>GlobalFiler™</i> , <i>NGM Detect™</i> , <i>Yfiler™ Plus</i>
		KTV SVP – 5/4-1 (1 issue, 28/03/2024)	Preparation of PCR products for length polymorphism analysis (<i>GS 600 LIZ</i>)
		KTC SVP – 5/5-2 (11 issue, 03/01/2024)	Capillary electrophoresis using genetic analyzer <i>AB 3500</i>

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)
	D12S391, D2S1338, DYS391, DYS576, DYS389I, DYS635, DYS389II, DYS627, DYS460, DYS458, DYS19, YGATAH4, DYS448, DYS456, DYS390, DYS438, DYS392, DYS518, DYS570, DYS437, DYS385, DYS449, DYS393, DYS439, DYS481, DYS387S1, DYS533	KTC SVP – 5/7 (8 issue, 17/06/2022)	Evaluation of results using data acquisition and analysis software <i>Gene Mapper ID-X</i> method parameters

Note¹ - Unless specifically stated, human biological traces are understood as blood, saliva, semen, touch-epithelial traces, bones, hair, muscles, teeth, and other cellular human material.

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.

The accreditation certificate is signed with a qualified electronic signature as an attachment to the order of the Director of the National Accreditation Bureau, by which it was approved