Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 146**

of **Nederlands Forensisch Instituut Defined departments (KvK: 50384511)**

This annex is valid from: **10-06-2022** to **01-05-2025** Replaces annex dated: **22-04-2021**

Location(s) where activities are performed under accreditation

Head Office

Laan van Ypenburg 6
2497 GB
The Hague
The Netherlands

Location	Abbreviation/ location code
Laan van Ypenburg 6 2497 GB The Hague The Netherlands	D

No.	Material or product	Type of activity[1]	Internal reference number	Location
		BDE – Toxicology		
1.	Blood, urine and vitreous humor	Determination of ethanol; headspace gas chromatography with flame ionisation detection	110201 in-house method	D
2.	Blood	Determination of carbon monoxide; visible spectrophotometry	QOL-02106 in-house method	D
3.	Whole blood, urine and vitreous humor	Determination of the content of 4-hydroxybutanoic acid (GHB) and 3-hydroxybutyric acid; LC-MS/MS	QOL-02170 in-house method	D

[1] If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on RvA-BR010-lijst.
If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

No.	Material or product	Type of activity[1]	Internal reference number	Location
4.	Blood	Identification and/or quantitative determination of drugs of abuse; LC-MS/MS Alprazolam, Amfetamine, Amitriptyline, Aripiprazol, Benzoylecgonine, Clonazepam, 7-Aminoclonazepam, Cocaïne, Codeïne, Diazepam, Desmethyldiazepam, Ethylcocaine, Fentanyl, Haloperidol, Ketamine, N-desmethylketamine, Lorazepam, MDA, MDMA, Methadon, Methylamfetamine, Methylecgonine, Midazolam, Morfine, 6-Monoacetyl-morfine, Noroxycodon, Nortriptyline, Olanzapine, Oxazepam, Oxycodon, Pregabaline, Quetiapine; N-desalkyl quetiapine, Temazepam, THC, 9-carboxy-THC, Tramadol, O-Desmethyl tramadol, Zolpidem, Zopiclon	QOL-00885 in-house method	Blood
		In het Kader van Besluit alcohol, drugs en geneesmiddelen in het verkeer, artikel 16 & artikel 19 & Regeling alcohol, drugs en geneesmiddelen in het verkeer, artikel 7, lid 1 & bijlage 1		
5.	Blood	Quantitative determination of drugs; LC-MS/MS Cocaine, Morphine, Amphetamine, Methamphetamine, MDMA, MDEA, MDA, GHB, THC, Benzoylecgonine, 9-Carboxy-THC	QOL-01326 in-house method	D
6.		Determination of Ethanol; GC-FID	QOL-01125 in-house method	D
		CFS - Chemical Identification Investigation		
7.	Various materials, debris and liquids	Identification of ignitable liquid residues by volatile organic component analysis; GC-FID and GC-MS **<u>Including Opinions and Interpretations</u>** Interpretation of results to determine the presence of ignitable liquid residues	260202 and 260206, QOL-00681; -00797; -00798; -01320; and -01325 in-house method	D

of **Nederlands Forensisch Instituut Defined departments (KvK: 50384511)**

This annex is valid from: **10-06-2022** to **01-05-2025** Replaces annex dated: **22-04-2021**

No.	Material or product	Type of activity[1]	Internal reference number	Location
8.	Fire residue, soil, sludge and waste	Identification of volatile organic components; headspace gas chromatography with mass spectrometry ethanal, methanol, 2-methylbutane, trichlorofluoromethane, n-pentane, ethanol, diethylether, acetone, bromoethane, 2-propanol, carbondisulfide, acetonitrile, methylacetate, dichloromethane, 2-methyl-2-propanol, 2-propenenitrile, 2-methoxy-2-methylpropane (MTBE), n-hexane, 1,1-dichloroethane, diisopropylether, 1-propanol, 2-ethoxy-2-methylpropane (ETBE), nitromethane, 2-butanone, ethylacetate, 2-butanol, tetrahydrofurane, trichloromethane, tetrachloromethane, 2-methyl-1-propanol, benzene, 1,2-dichloroethane, 2,2,4-trimethylpentane, 2-methoxy-2-methylbutane (TAME), 3-methylbutanal, n-heptane, 1-butanol, trichloroethene, 2-ethyl-2-ethoxypropane (TAEE), propylacetate, 1,1-diethoxyethane, 4-methyl-2-pentanone, pyridin, 3-methyl-1-butanol, toluene, n-octane, 1,2-ethanediol, 1,1,2-trichloroethane, tetrachloroethene, 1,2-propaandiol, butylacetate, dimethylformamide, chlorobenzene, ethylbenzene, m-xylene, p-xylene, n-nonane, o-xylene, styrene, cumene, n-propylbenzene, 1-ethyl-3-methylbenzene, 1-ethyl-4-methylbenzene, 1,3,5-trimethylbenzene, n-decane, 1-ethyl-2-methylbenzene, a-methylstyrene, 1,2,4-trimethylbenzene, 1,2,3-trimethylbenzene, n-undecane, propylenecarbonate, n-dodecane, benzylmethylketone, naphthalene, n-tridecane, n-tetradecane, n-pentadecane, n-hexadecane	223211 in-house method	D
		CFS - Chemical Identification Investigation Flexible scope[2]		
9.	(Un)known chemicals and/or unknown materials	Qualitative analysis of inorganic and organic components in various matrices using chromatographic techniques; GC-FID/MS/NPD/TCD/ECD, Headspace GC-MS, LC-MS (MS) and/or ion-chromatography	QOL-02438 in-house method	D

[2] This flexible scope requires the laboratory to maintain a current list of the methods applied under this flexible scope.

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 146**

of **Nederlands Forensisch Instituut Defined departments (KvK: 50384511)**

This annex is valid from: **10-06-2022** to **01-05-2025** Replaces annex dated: **22-04-2021**

No.	Material or product	Type of activity[1]	Internal reference number	Location
		CFS - Explosives		
10.	Methanol extracts	Screenings analysis of peroxides and less common nitroaromates; LC-MS-MS: Peroxides: TATP and HMTD Nitroaromates: picramic acid, picric acid (PA), TATB; DDNP; 2,6-Bis(picrylamino)-3,5-dinitropyridine (PYX) and hexanotrostilbene (HNS)	QOL-02383 in-house method	D
11.	Detonators and detonator fragments	Determination of detonators; visual inspection, resistance measuring and eventually testing	163003 in-house method	D
		CFS – Drugs		
12.	Powder, tablets and impregnated material	Qualitative analysis of LSD; thin layer chromatography and gas chromatography with mass spectrometry	250301 in-house method	D
13.	Powders, liquids, paste, impregnated materials and tablets	Quantitative analysis of cocaine, heroin, amphetamine and MDMA; by GC-FID	QOL-00714 in-house method	D
14.	Plant material (suspected to be cannabis), cannabis resin slabs and/or parts of slabs and oily liquids suspected to be hashish oil	Identification of cannabis, cannabis resin and hashish oil; combination of external properties, microscopy and chemical analysis	QOL-01100 in-house method	D
15.	Powders, liquids, paste, impregnated materials and tablets	Identification of common drugs; GC-MS: cocaïne, heroïne, MDMA, amfetamine, metamfetamine, 2C-B	QOL-00629 in-house method	D
16.	Powder and (concentrated) water solutions	Qualitative analysis of the Na- and K-salt of GHB; FT-IR	250801 in-house method	D
17.	Hashish, cannabis and cannabis oil	Quantification of THC; GC-FID	251501 in-house method	D

of **Nederlands Forensisch Instituut Defined departments (KvK: 50384511)**

This annex is valid from: **10-06-2022** to **01-05-2025** Replaces annex dated: **22-04-2021**

No.	Material or product	Type of activity[1]	Internal reference number	Location
18.	Tablets and powders	Determination of the MDMA-related organic impurity profile; GC-MS	QOL-00045 in-house method	D
19.	Amphetamine powders	Determination of the amphetamine-related organic impurity profile; GC-MS	QOL-00238 in-house method	D
20.	Cocaïne powders	Residual solvent analysis; HS-GC-MS	QOL-00707 in-house method	D
		CFS - Microtraces and Materials		
21.	Glass	Securing glass particles from SVO's; visual inspection followed by determining reference and questioned glass by thickness, colour and presence tin layer, preparation for LA-ICP-MS analysis	261007 and 261005 in-house method	D
22.	Solid materials	Qualitative analysis of crystalline compounds; X-ray diffraction	260608 in-house method	D
23.		Identification of elements; µ-XRF	INC-004227 in-house method	D
24.	Paint	Comparative analysis; optical microscopy and infrared microspectrometry	260101 and 260114 in-house method	D
25.	Fibres and textiles	Comparative analysis of textile fibres; optical microscopy and (UV-VIS and infrared) microspectroscopy	131000 and 131100 in-house method	D
26.		Characterisation of textile fibres; optical microscopy and infrared microspectrometry	131200 in-house method	D
27.		Investigation of damages and reconstructed damages in textiles; visual inspection and microscopy	132100 in-house method	D
		CFS - Microtraces and Materials **Flexible scope[3]**		
28.	Solid materials	Comparison based on the quantitative element composition; LA-ICP-MS	QOL-222104, -02438, -02507, INC-001669 in-house method	D

[3] This flexible scope requires the laboratory to maintain a current list of the methods applied under this flexible scope.

No.	Material or product	Type of activity[1]	Internal reference number	Location
29.	Polymers	Comparison analysis based on the qualitative element composition; LA-ICP-MS	QOL-01062; -02438, - 02507; INC-001669 in-house method	D
		CFS – Gunshot residues		
30.	Recovered material on stubs	Analysis of gunshot residues; electron microscopy and X-ray	152000 and 152016 and QOL-00931 in-house method	D
31.	Clothing of suspects	Gunshot residue analysis; visual analysis, sampling and chemographical methods	150027, 152001, 152006, 152007, 152013, 152014 and 152016, QOL-00243; -00833; and -00931 in-house method	D
32.	Clothing or pieces of skin of victims	Gunshot residue analysis; visual analysis, chemographical methods and XRF analysis	150027, 150501, 150502, 152006, 152007, 152008, 152009, 152013, 152014 and 152016, QOL-00243; -00931; -02346; and -02537 in-house method	D
		CFS – Firearms and Toolmarks		
33.	Various materials such as metals	Comparison of toolmarks; visual inspection and microscopy	313101 - 313108 in-house method	D
34.	Ammunition	Identification of bullets and cartridge cases; visual inspection and comparison microscopy (with received firearms)	QOL-02071; -02084; -02070; -02074; -02077; -02085; -02076; -02089; and -02088 in-house method	D
35.		Identification of bullets and cartridge cases; visual inspection and comparison microscopy (without received firearms)	QOL-02071; -02084; -02074; -02077; -02085; -02076; -02086; -02089, INC-002024 and QOL-02088 in-house method	D
36.		Test firing of firearms in order to identify bullets and cartridge cases	141101 in-house method	D

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 146**

of **Nederlands Forensisch Instituut Defined departments (KvK: 50384511)**

This annex is valid from: **10-06-2022** to **01-05-2025** Replaces annex dated: **22-04-2021**

No.	Material or product	Type of activity[1]	Internal reference number	Location
		CFS- Non Human Biological Traces Flexible scope[4]		
37.	Plants, animals and micro-organisms	Identification of cell material; - morphological - PCR-sequencing and - PCR-fragment length analysis	in-house methods: DNA-extraction: 223601, QOL-00061; -00229; -00230 DNA-quantification: 223602 PCR: QOL-00335; Sequencingf/fragment length analysis: QOL-00861; -00921; -00228; -00352 Species identification: QOL-00443; -01019 Morphology: QOL-01275 Customized analysis quality assurance procedure: QOL-02154; -00924	D
		BIS - Human Biological Traces		
38.	Various materials	Searching for, securing of and (qualitative) analysis of biological traces as blood, saliva, semen, hair and other cell-material; visual inspection, microchemical, immunological and enzymatic testing	121104, 121203, 121205, 121215, 121301, 121305, 121307, QOL-00019; -00324; -00580; -00802; -00809; and -00828 in-house method	D
39.	Animal and human hair	Selection microscopy for DNA examination; microscopy	121307 and INC-002024 in-house method	D
40.	Various materials	DNA extraction, quantification, amplification and typing of STR-systems and the XY amelogenine gene **<u>Including Opinions and Interpretations</u>** Interpretation regarding comparison (forensic) DNA results on source level	122105, 122116, 122144, 122145, 122146, 122201, QOL-00017; -00023; -00503; -00504; -121209; -00678; -00711; -00793; -00808; -00934; -00957; -01066; -01070; and -01240; QOL-01139; -02579, INC-000615; -000815 and INC-000072; -002043; -002030; -002046; -002027; -002053; and -000926 in-house method	D

[4] This flexible scope requires the laboratory to maintain a current list of the methods applied under this flexible scope.

No.	Material or product	Type of activity[1]	Internal reference number	Location
41.	Various materials	Analysis, interpretation and reporting of biological paternity investigation and other biological familial relational investigation (kinship) using STR-systems and the XY amelogenine gene Sampling and identification excluded	QOL-00507; -122400; INC-002179 and QOL-01015 in-house method Analysis, interpretation and reporting in accordance with ISFG: Paternity testing commission of the International Society of Forensic Genetics 2002 and 2007 in accordance with Resolution DNA investigation paternity, Law gazette Kingdom of the Netherlands, 2008 417	D
42.		Amplification and analysis of mitochondrial DNA; Sanger sequence analysis or Single base extension	QOL-00516, INC-000072 and INC-002523 in-house method	D
43.		Research for bloodstains, bloodstain identification, interpretation and selection (for further DNA analysis); microscopy and visual inspection	QOL-00344 and INC-002024 in-house method	D
44.		RNA extraction, cDNA synthesis, amplification, typing and interpretation of RNA profiles	QOL-01075 and INC-002523 in-house method	D
		BIS - Human Biological Traces Flexible scope[5]		
45.	Various materials	Nucleic acid (DNA and/or RNA) extraction; silica-based DNA amplification: thermal cycling based for DNA-extracts, direct substrates and cDNA, SNP and INDEL typing Fragment analysis; capillary electrophoresis, Sequence analysis, massively parallel sequencing	124101, QOL-02438; -02500; -02506 and INC-002523 in-house method	D

[5] This flexible scope requires the laboratory to maintain a current list of the methods applied under this flexible scope.

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 146**

of **Nederlands Forensisch Instituut Defined departments (KvK: 50384511)**

This annex is valid from: **10-06-2022** to **01-05-2025** Replaces annex dated: **22-04-2021**

No.	Material or product	Type of activity[1]	Internal reference number	Location
		DBS - Biometry and Fingerprints (i.e. dactyloscopic traces originating from the ridge skin of fingers, palms or feet)		
46.	Non porous materials	Fingerprint development; - cyanoacrylate treatment - basis yellow treatment after pre-treatment with cyanoacrylate - vacuum metal deposition - amidoblack treatment	184001, 184002, 184005, QOL-01122; -01236; and -01237 in-house method	D
47.	Non porous materials (such as tape, labels and blood on dark surfaces)	Fingerprint development by; -cyanoacrylate treatment -methylviolet treatment -powder suspensions	184001, 184007, QOL-01238; -01236; and -01237 in-house method	D
48.	Porous materials (such as paper, cardboard and unpainted wood)	Fingerprint development; -indianedionezincchlorid treatment -ninhydrine treatment -physical developer treatment	184004, 184006, QOL-00923; -01236; and -01237 in-house method	D
49.	Porous and non-porous materials	Fingerprint comparison by visual inspection	QOL-01128; -02338; and -02436 in-house method	D
50.		Fingerprint photography and digital enhancement	QOL-01200 in-house method	D
		DBS – Digital Technology		
51.	Non-volatile memory chips installed in embedded devices	Removing memory chips and making a bit stream copy of an exhibit	QOL-00919 in-house method	D