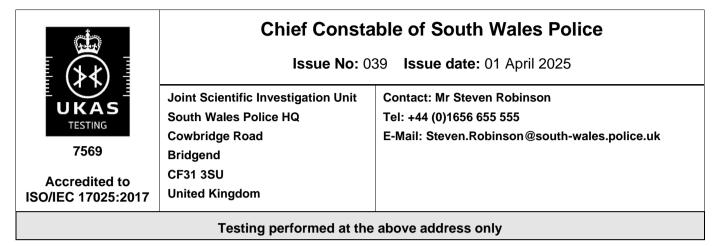
Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK



DETAIL OF ACCREDITATION

Delivery of the forensic services, listed below, through the Joint Scientific Investigation Unit in collaboration with South Wales Police and Gwent Police

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	Forensic Testing	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice in relation to the Forensic Activities listed below
BODY FLUIDS and TISSUES	Forensic Analysis	
Any material	Searching for: - Blood	Document in house methods DNACR/SOP/17 using: - Visual examination - Low power microscopy - chemical testing (see below)
	Recovery and preparation, including for contingency purposes, for subsequent DNA analysis by an ISO/IEC 17025 accredited laboratory of the following from searched materials: - Blood - Cellular material	Documented in house methods DNACR/SOP/06 using - Swabs and swabbing - Minitaping - Cutting
	Presumptive testing for Blood via detection of: - Enzyme Activity (Peroxidase)	Documented in house method DNACR/SOP/17 using - Visual Examination - KM (Kastle Meyer)

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ISO/IEC 17025:2017	Testing performed at main address only	
Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
DRUGS (and materials suspected of containing drug	s) Forensic Analysis (cont'd) Legal classification of controlled drugs (Misuse of Drugs Act 1971) Identification of Cannabis, cannabis resin and cannabis products	Documented in house method (DRUG/SOP/01 & DRUG/SOP/05) using: - Microscopy - GC-MS
	Identification of: - Amphetamine - Cocaine - Diamorphine (Heroin) - Methylenedioxy amphetamine (MDA) - Methylenedioxmethyl amphetamine (MDMA) - Methylenedioxyethyl amphetamine (MDEA) - Ketamine - Methadone	Documented in house method (DRUG/SOP/02 & DRUG/SOP/05) using - Spot Tests (Marquis Reagent and Cobalt Thiocyanate Reagent) - GC-MS
	Quantification of : - Amphetamine - Cocaine	Documented in house method (DRUG/SOP/06) using - HPLC-DA

Diamorphine (Heroin) -

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TESTING		
7569	Issue No: 039 Issue date: 01 April 2025	
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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
MARKS AND IMPRESSIONS	Forensic Analysis (cont'd)	
Fingermarks Any material which is capable of retaining friction ridge marks	Enhancement of fingermarks and palm marks	Documented In-House Methods using chemical and physical enhancement techniques (method numbers provided in brackets): - Cyanoacrylate (CNA) Fuming (FDU-SOP-02) - Basic Yellow 40 (BY40) Ethanol and aqueous formulations (FDU-SOP-04)

Determination of the presence of

friction ridge characteristics for the

purpose of subsequent comparison

Developed fingerprint marks

Documented In-House methods using visual examination (FDU-SOP-11)

Documented In-House Methods for

- DCS5 (FDU-SOP-06)

1,8-Diazafluoren-9-one (DFO)

Ninhydrin (FDU-SOP-03) Powdering Techniques (FDU-

black granular powder aluminium flake powder black magnetic powder Powder suspensions (FDU-

Iron oxide based - black Carbon based -black

Documented In-House methods using visual and lighting techniques (FDU-

Visual examination

Crimelite ML:

CrimeLite 8x4:

imaging / digital capture

Titanium Dioxide based - white

White light and filtered sources

High intensity light sources:

Blue (λ =430-470nm), Green (λ =480-560nm)

Blue (λ =476nm) Green (λ =510nm)

(FDU-SOP-05)

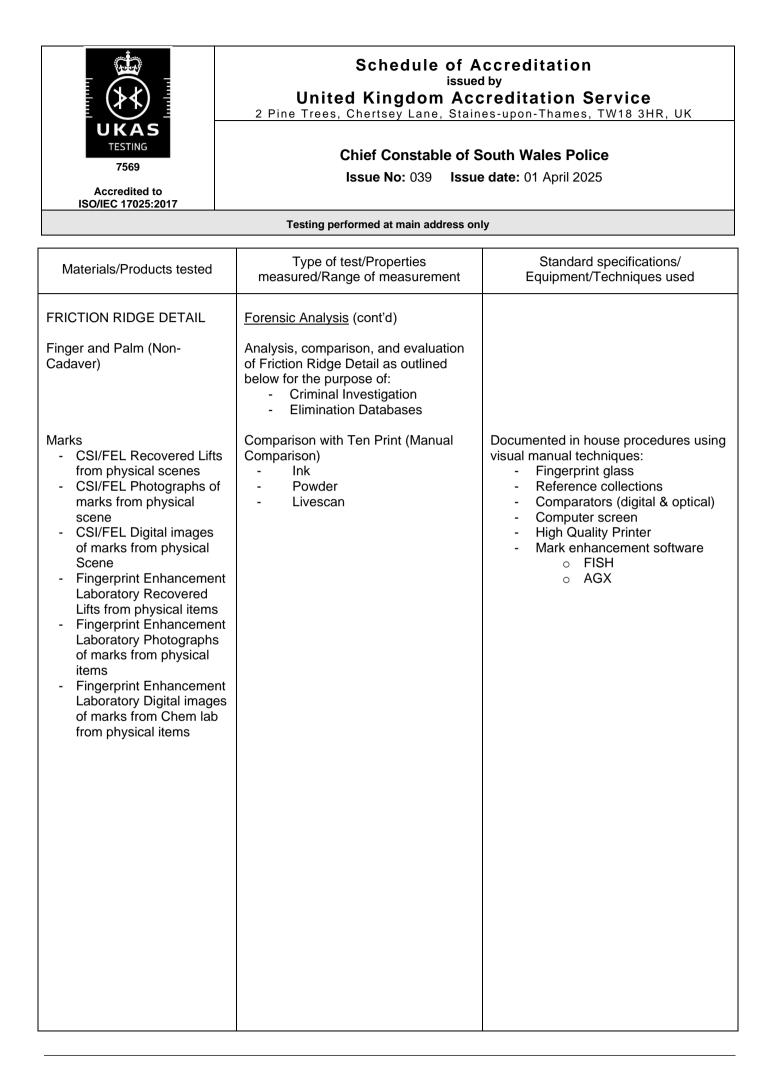
SOP-14)

SOP-13):

SOP-11)

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Testing performed at main address only			
Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	
FRICTION RIDGE DETAIL (cont'd)	Forensic Analysis (cont'd)		
Finger and Palm (Non- Cadaver) (cont'd)	Analysis, comparison, and evaluation of Friction Ridge Detail as outlined below for the purpose of:		
	Criminal InvestigationElimination Databases		
Ten Prints - Ink - Powder - Livescan	 Comparison with Marks CSI/FEL Recovered Lifts from physical scenes CSI/FEL Photographs of marks from physical scenes Fingerprint Enhancement Laboratory Recovered Lifts from physical items Fingerprint Enhancement Laboratory photographs of marks from physical exhibits Fingerprint Enhancement Laboratory Digital images of marks from Chem lab from physical items CSI/FEL Digital images of marks from physical Scene 	Documented in house procedures using visual manual techniques: - Fingerprint glass - Reference collections - Comparators (optical/digital) - Mark enhancement software o FISH o AGX - Digital workflow - High Quality Printer	
	<u>Opinion and Interpretation</u> The evaluation of the significance of any matching and non-matching features between sources of friction ridge detail as outlined in the above scope of accreditation.	Documented In-House methods using - Personal experience - database	

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOOTWEAR	<u>Forensic Analysis</u> (cont'd)	
	Coding of scene marks	Documented in house method (FIU/SOP/02) – including use of National Footwear Reference Collection (NFRC)
	Coding of Custody prints taken from suspect footwear using gross features	Documented in house method (FIU/SOP/01 & FIU/SOP/14) – including use of National Footwear Reference Collection (NFRC)
	Screening of suspect footwear by pattern type and size	Documented in house method (FIU/SOP/03 & FIU/SOP/10) – includes the use of test prints, enhancement techniques, visual comparison, low power microscope
	Enhancement of footwear marks recovered from scenes	Documented in house method (FIU/SOP/04, 06 & 10) using - powders - ESLA - ESDA - gel lifting - gel scanning - digital capture photography
	Production of test marks from suspect footwear	 Documented in house method (FIU/SOP/03) using Dynamic oil and magnetic powder on paper Static powdering 3-D test impressions (various media including Bio-foam) using dental stone casting
	Assessment, comparison and evaluation of footwear marks with scene marks	Documented in house method (FIU/SOP/03) using - Visual comparison - Dimensional measurement
	Opinion and Interpretation The evaluation of the significance of any matching and non-matching features between the footwear scene impression and reference/control footwear marks	Documented In-House method (FIU/SOP/03) using - Personal experience - database

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
DIGITAL DEVICES AND DATA	Forensic Analysis (cont'd)	
Digital Video Recorders	Capture and preservation of data Export video (exporting files using CCTV system, copying via analogue or digital output)	Documented in house method (IMAGING/SOP/04) using: - Manual interaction with system and / or device - USB flash drives Digital Versatile Discs
		-
 Digital Storage Devices Memory cards USB flash drives Compact discs Digital versatile discs Digital Video including CCTV footage Compact discs Digital versatile discs USB flash drives 	Capture and preservation of data - Transfer/Recovery of data Digital video conversion (<i>viewing and</i> <i>presentation purposes</i>)	Documented in house method (IMAGING/SOP/06) using: - Premiere - FFmpeg - Camtasia - A range of CCTV proprietary software playersDocumented In-house methods (IMG/SOP/05 and IMG/SOP/06) : Adobe Premier FFMPEG

Digital Images/Video

Conversion of digital images/video - Rewrapping

Processing of digital images/video

- Transcoding -
- Screen capturing -

FFmpeg A range of CCTV proprietary _

Documented in house method

Proprietory Software

- software players
- Camtasia

TechSmith Camtasia

(IMAGING/SOP/06):

using:

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FIREARMS (cont'd) Ammunition	Forensic Analysis (cont'd) Ammunition and component identification and legal classification	Documented In house method (FFE/SOP/03 & FFE/SOP/10) using: - Weighing - length measurement - use of known samples or standard reference data.
Firearms	Firearm and firearm component part identification and legal classification	Documented In house method (FFE/SOP/03 & FFE/SOP/04) using

(Firearms Act 1968)

projectiles

function test

Determination of Kinetic Energy of

Test Firing to assess the functionality

END

of weapons and/or ammunition.

Identification, classification and

Electrical Shock Devices

comparison with known samples, reference standards and publications

Documented In house method

Documented In house method

Documented In house method

balance

ammunition

spark gap

(FFE/SOP/05) using chronograph and

(FFE/SOP/04 & FFE/SOP/10) using suspect or reference guns and

(FFE/SOP/11) using visual examination, function testing and measurement of