


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 7817 Accredited to ISO/IEC 17025:2017	Chief Constable of Dyfed Powys Police Issue No: 029 Issue date: 21 May 2025	
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Testing performed at the above address only		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
BODY FLUIDS and TISSUES Any Material	<u>Forensic Testing</u> <u>Forensic Analysis</u> Recovery and preparation, including for contingency purposes, for subsequent DNA analysis by an ISO/IEC 17025 accredited laboratory of the following from searched materials: <ul style="list-style-type: none">- Cellular Material	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice in relation to the Forensic Activities listed below. Documented In-House Methods (DNA-SOP-3) using: <ul style="list-style-type: none">- cutting- swabs and swabbing



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MARKS AND IMPRESSIONS Any material which is capable of retaining friction ridge marks	<u>Forensic Analysis</u> (cont'd) Enhancement of fingerprints	Documented In-House Methods using chemical and physical enhancement techniques (method numbers provided in brackets): <ul style="list-style-type: none">- Cyanoacrylate (CNA) Fuming (FDU-SOP-1)- Basic Yellow 40 (BY40) Ethanolic and aqueous (FDU-SOP-3)- Ninhydrin (FDU-SOP-2)- Powder suspensions (FDU-SOP-4) Carbon based - black Iron oxide based - black Titanium Dioxide based - white- Acid Dye Treatments, ethanol based (FDU-SOP-15): Acid Black 1, Acid Violet 17 Acid Yellow 7- Physical Developer (FDU-SOP-17)- Powdering Techniques (FDU-SOP-18): Green magnetic powder, Green granular powder Black granular powder, Black magnetic powder- 1,2 – Indandione (FDU-SOP-22)



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<p>MARKS AND IMPRESSIONS (cont'd)</p> <p>Any material which is capable of retaining friction ridge marks</p>	<p><u>Forensic Analysis</u> (cont'd)</p> <p>Enhancement of fingerprints</p>	<p>Documented In-House Methods using Visual and lighting enhancement techniques</p> <ul style="list-style-type: none"> - Visual Examination - White Light and Filtered Sources (FDU-SOP-11) - High Intensity Light Sources <ul style="list-style-type: none"> Crimelite 80s <ul style="list-style-type: none"> Blue ($\lambda=430-470\text{nm}$) Blue/green ($\lambda=460-510\text{nm}$) Green ($\lambda=500-550\text{nm}$) Crimelite ML <ul style="list-style-type: none"> Blue ($\lambda=430-470\text{nm}$) Crimelite 4x4 <ul style="list-style-type: none"> Blue ($\lambda=430-470\text{nm}$) Blue/green ($\lambda=460-510\text{nm}$) Green ($\lambda=500-550\text{nm}$) Crimelite 8x4 Mk2 <ul style="list-style-type: none"> UV ($\lambda= 350-380\text{nm}$) Blue ($\lambda=430-470\text{nm}$) Blue/green ($\lambda=460-510\text{nm}$) Green ($\lambda=500-550\text{nm}$) Crimelite 8x4 Mk4 <ul style="list-style-type: none"> Blue ($\lambda=430-470\text{nm}$) Red ($\lambda=600-660\text{nm}$) IR ($\lambda= 800-900\text{nm}$) Crimelite 42s <ul style="list-style-type: none"> UV($\lambda=350-380\text{nm}$) IR ($\lambda= 800-900\text{nm}$) <p>Documented In-House Method for imaging / digital capture (FDU-SOP-08)</p> <ul style="list-style-type: none"> - DCS4 - DCS5
Developed fingerprint marks	Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison	Documented In-House method using visual examination (FDU-SOP-06)



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<p>FRICITION RIDGE DETAIL</p> <p>Finger and Palm (Non-Cadaver)</p> <p><u>Ten Prints</u></p> <ul style="list-style-type: none">- Ink- Powder- Livescan <p><u>Marks</u></p> <ul style="list-style-type: none">- CSI/FEL Recovered Lifts from physical scenes- CSI/FEL Photographs of marks from physical scene- CSI/FEL Digital images of marks from physical Scene- Fingerprint Enhancement Laboratory Recovered Lifts from physical items- Fingerprint Enhancement Laboratory Photographs of marks from Chem lab from physical items- Fingerprint Enhancement Laboratory Digital images of marks from Chem lab from physical items	<p><u>Forensic Analysis</u> (cont'd)</p> <p>Analysis, comparison, and evaluation of Friction Ridge Detail as outlined below for the purpose of:</p> <ul style="list-style-type: none">- Criminal Investigation- Elimination Databases <p><u>Comparison with Marks</u></p> <ul style="list-style-type: none">- CSI/FEL Recovered Lifts from physical scenes- CSI/FEL Photographs of marks from physical scenes- CSI/FEL Digital images 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 physical exhibits <p><u>Comparison with Ten Prints</u></p> <ul style="list-style-type: none">- Ink- Livescan- Powder	<p>Documented in house procedures (FPT-SOP-1, FPT-SOP-2 and FPT-SOP-3) using visual manual techniques:</p> <ul style="list-style-type: none">- Fingerprint glass- Reference collections- Comparators (digital)- Computer screen- High Quality Printer- Mark enhancement software<ul style="list-style-type: none">o AGXo Photoshop Bridge <p>Documented in house procedures (FPT-SOP-1, FPT-SOP-2 and FPT-SOP-3) using visual manual techniques:</p> <ul style="list-style-type: none">- Fingerprint glass- Reference collections- Comparators (digital)- Computer screen- High Quality Printer- Mark enhancement software<ul style="list-style-type: none">o AGXo Photoshop Bridge



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FRICITION RIDGE DETAIL (cont'd) Finger and Palm (Non-Cadaver) (cont'd)	<u>Forensic Analysis</u> (cont'd) <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 <ul style="list-style-type: none">- Personal experience- database
FOOTWEAR	Screening of suspect footwear by pattern type, size, wear and general patterns Enhancement of footwear marks recovered from scenes Production of test marks from suspect footwear	Documented in house methods (FW SOP 3, FW SOP 4, FW SOP 5). Documented in house methods (SOP 4, FW WI 10, IM SOP 4): <ul style="list-style-type: none">• Enhancement of marks recovered on gel lifts using the GL-Scanner Documented in house methods (FW WI 6- Footwear test prints): powdering techniques (dynamic oil and powder method: static powdering)



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DIGITAL DEVICES AND DATA	<u>Forensic Analysis</u> (cont'd)	
Computers		
Computers and digital storage devices <ul style="list-style-type: none"> - Hard disk drives - Solid state drives - Memory cards - USB flash drives 	Capture and preservation of data from storage devices	Documented in-house method(s) (CDE-SOP 01, 04 & 08) using: <ul style="list-style-type: none"> - FTK Imager - Tableau T356789iu
Computers and digital storage devices <ul style="list-style-type: none"> - Hard disk drives - Solid state drives - M.2 devices 	Capture and preservation of data from storage devices	Documented in-house method(s) (CDE-SOP 02) using: <ul style="list-style-type: none"> - TX-1
Data associated to the following operating systems : <ul style="list-style-type: none"> - Microsoft Windows 	Processing of Data	Documented in-house methods (CDE-SOP 10, 16 & 17, DFU-SOP 03) using: <ul style="list-style-type: none"> - AXIOM
	Analysis of Data <ul style="list-style-type: none"> - Keyword Analysis - Manual Bookmarking - Database Analysis 	Documented in-house methods (CDE-SOP 16 & DFU-SOP 03) using: <ul style="list-style-type: none"> - AXIOM
Mobile phones		
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> - Android - Apple iOS - Non-smartphone proprietary systems 	Capture and Preservation of data	Documented in-house method(s) DFU-SOP-09, MD-SOP-03 & MD-SOP-06: <ul style="list-style-type: none"> - UFED 4PC - XRY
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> - Android - Apple iOS - Non-smartphone proprietary systems 	Processing of data	Documented in-house method(s) MD-SOP-06 using: <ul style="list-style-type: none"> - XRY - XAMN - Physical Analyser



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DIGITAL DEVICES AND DATA (cont'd)	<u>Forensic Analysis</u> (cont'd)	
Mobile phones (cont'd)		
(U)SIM cards	Capture and preservation of data	Documented in-house method(s) DFU-SOP-09, MD-SOP-03 & MD-SOP-04 using: <ul style="list-style-type: none">- UFED 4PC- XRY
(U)SIM cards	Processing of data	Documented in-house method(s) MD-SOP-06 using: <ul style="list-style-type: none">- XRY- XAMN- Physical Analyser
Memory cards associated with mobile phone handsets and tablets	Capture and preservation of data	Documented in-house method(s) DFU-SOP-09, MD-SOP-03 & MD-SOP-05: <ul style="list-style-type: none">- FTK Imager
Memory cards associated with mobile phone handsets and tablets	Processing of data	Documented in-house method(s) MD-SOP-06 using: <ul style="list-style-type: none">- Physical Analyser
END		