


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 UKAS TESTING 7919 Accredited to ISO/IEC 17025:2017	Chief Constable of Merseyside Police Issue No: 024 Issue date: 14 December 2021	
	Canning Place Liverpool L1 8JX United Kingdom	Contact: Ms Gemma Wilkinson Tel: +44 (0) 151 7771460 E-Mail: Gemma.wilkinson@merseyside.police.uk Website: www.merseyside.police.uk

Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Canning Place Liverpool L1 8JX Local contact: Mrs Gemma Wilkinson Head of Quality Standards Tel: +44 (0) 151 7771460 E-Mail: Gemma.Wilkinson@merseyside.police.uk	Head Office and Forensic Analysis	A
Address Confidential Local contact: Mrs Gemma Wilkinson Head of Quality Standards Tel: +44 (0) 151 7771460 E-Mail: Gemma.Wilkinson@merseyside.police.uk	Forensic Analysis	B
Address Operation Command Centre Speke Liverpool L24 8DA Local contact: Mrs Gemma Wilkinson Head of Quality Standards Tel: +44 (0) 151 7771460 E-Mail: Gemma.Wilkinson@merseyside.police.uk	Forensic Analysis	C



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS and TISSUES	<u>Forensic Analysis</u>	The organisation has demonstrated adherence to the relevant requirements of the Forensic Science Regulators Code of Practice and Conduct in relation to their Forensic Activities	A, B, C
Any material	Recovery and preparation, including for contingency purposes, for subsequent DNA analysis by an ISO/IEC 17025 accredited laboratory of the following from searched materials: - Cellular material	Documented In-House Methods using: Swabs and swabbing	A
DIGITAL DEVICES AND DATA			
Computers			
Computers and digital storage devices - Hard disk drives - Solid state drives - Memory cards - USB flash drives	Physical capture and preservation of data	Documented in-house method(s) (DFU-SOP-4) using: - X-Ways Imager - FTK Imager	C
Mobile phones			
Mobile phone handsets and tablets associated with the following operating systems: - Google Android - Non-smartphone proprietary systems	Physical capture and preservation of data	Documented in-house method(s) (DFU-SOP-7) using: - XRY - UFED 4PC - UFED Touch2	C



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DIGITAL DEVICES AND DATA (Cont'd)	<u>Forensic Analysis</u>		
Mobile phone handsets and tablets associated with the following operating systems: - Apple iOS - Google Android - Non-smartphone proprietary systems	Logical capture and preservation of data	Documented in-house method(s) (DFU-SOP-7) using: - XRY - UFED 4PC - UFED Touch2 - Manual examination	C
Mobile phone handsets and tablets associated with the following operating systems: - Apple iOS - Google Android - Non-smartphone proprietary systems	Processing of data	Documented in-house method(s) (DFU-SOP-7) using: - XRY - XAMN - UFED Physical Analyzer	C
(U)SIM cards	Logical capture and preservation of data	Documented in-house method(s) (DFU-SOP-7) using: - XRY - UFED 4PC - UFED Touch2	C
	Processing of data	Documented in-house method(s) (DFU-SOP-7) using: - XRY - XAMN - UFED Physical Analyzer	C
Memory cards associated with mobile phone handsets and tablets	Physical capture and preservation of data	Documented in-house method(s) (DFU-SOP-7) using: - XRY - UFED 4PC	C
	Processing of data	Documented in-house method(s) (DFU-SOP-7) using: - XRY - XAMN - Cellebrite UFED Physical Analyzer	C



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FIREARMS	<u>Forensic Analysis cont'd</u>		
Ammunition	Ammunition and component identification and legal classification	Documented In house method (FEU-SOP-003) using : - Weighing - length measurement - use of known samples or standard reference data.	B
Firearms	Firearm and firearm component part identification and legal classification (Firearms Act 1968)	Documented In house method (FEU-SOP-002) using : - Weighing - length measurement - use of known samples or standard reference data	B
	Trigger pull measurement	In house method (FEU-SOP-011) using: Dead Weights	B
Electrical Shock Devices	Test Firing to assess the functionality of weapons and/or ammunition	Documented In house method (FEU-SOP-002) using suspect or reference guns and ammunition Savage snail bullet trap	B
	Identification, classification and function test	Documented In house method (FEU-SOP-006) using visual examination, function testing and measurement of spark gap	B



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MARKS AND IMPRESSIONS Fingermarks Any material which is capable of retaining friction ridge marks	<u>Forensic Analysis cont'd</u> Enhancement of fingermarks and palm marks	Documented In-House Methods using chemical and physical enhancement techniques (method numbers provided in brackets) <ul style="list-style-type: none">- Ninhydrin (FEL-SOP-003)- Cyanoacrylate (CNA) fuming with ethanol and water based Basic Yellow 40 (BY40) (FEL-SOP-002)- 1,8-Diazafluoren-9-one (DFO) (FEL-SOP-005)- Acid Dye Treatments, ethanol based (FEL-SOP-006): Acid Black 1, Acid Violet 17 Acid Yellow 7	A



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MARKS AND IMPRESSIONS (cont'd)	Enhancement of fingermarks and palm marks	Documented In-House Methods using chemical and physical enhancement techniques:	A
		- Powder suspensions (FEL-SOP-004): Carbon based -black Iron Oxide based - black Titanium dioxide based - white	A
		- Powdering Techniques (FEL-SOP-010) Aluminium flake powder Black and white granular powder, Magnetic flake powder Black and white granular powder magnetic	A
		Documented In-House Methods using visual and lighting techniques (FEL-SOP-011)	A
		- Visual Examination - White light - crimelite - High Intensity Light Sources - Crimelite 80S Blue ($\lambda = 420-470\text{nm}$) - Crimelite 82S Blue ($\lambda = 420-470\text{nm}$) Green ($\lambda = 480-560\text{nm}$)	
		Documented In-House Methods for imaging / digital capture	A
		- DCS4 (FEL SOP22) - DCS5 (FEL SOP26 and 32)	
Developed fingerprint marks	Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison	Documented In-House Methods using lighting techniques (FEL-SOP-011)	A



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MARKS AND IMPRESSIONS (cont'd)	Forensic Analysis cont'd		
Fingermark and palm mark friction ridge detail	Visual analysis, comparison and evaluation of recovered friction ridge detail with finger, thumb and palm from: <ul style="list-style-type: none"> - Known ink TENPRINTS - Known electronic TENPRINTS 	Documented In-House methods (FPT-SOP-002, 003, 004, 006) using <ul style="list-style-type: none"> - Visual examination, - Low power magnification, - Comparators, - Dimensional measurements - Reference databases 	A
Fingermark and palm mark friction ridge detail (cont'd)	<u>Opinion and Interpretation</u> The evaluation of features between Fingermark and palm mark friction ridge detail	Documented In-House method (FPT-SOP-002, 003, 004, 006) using <ul style="list-style-type: none"> - Personal experience - Database 	A
END			