


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 4709 Accredited to ISO/IEC 17025:2017	Chief Constable of Thames Valley Police	
	Issue No:021 Issue date: 11 May 2022	
	Forensic Investigation Unit Thames Valley Police (HQ) South Oxford Road Kidlington OX5 2NX	Contact: Mr S Sugden Tel: +44 (0)1865 846191 E-Mail: steve.sugden@thamesvalley.pnn.police.uk Website: www.thamesvalley.police.uk
Testing performed by the Organisation at the locations specified		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address FIU Thames Valley Police (HQ) South Oxford Road Kidlington OX5 2NX	Local contact Mr S Sugden Tel: +44 (0)1865 846191 E-Mail: steve.sugden@thamesvalley.pnn.police.uk Website: www.thamesvalley.police.uk	Forensic Analysis A
Address DFU Undisclosed Location	Local contact Mr S Sugden Tel: +44 (0)1865 846191 E-Mail: steve.sugden@thamesvalley.pnn.police.uk Website: www.thamesvalley.police.uk	Forensic Analysis B



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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
	<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
BODY FLUIDS and TISSUES Any Material	<u>Forensic Analysis</u> Searching for: - Blood - Saliva 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 - Saliva - Cellular Material	Documented In-House Methods (FSU-P-TEC-5, FSU-P-TEC-12) using: - visual examination - light sources - low power microscopy - chemical testing (see below) Documented In-House Methods (FSU-P-TEC-3, FSU-P-TEC-11) using: - cutting - swabs and swabbing - mini-taping	A
Blood	Presumptive testing for Blood via detection of: - Peroxidase	Documented In-House Method (FSU-P-TEC-4) using: - KM (Kastle Meyer)	
Saliva	Presumptive testing for saliva via detection of: - Amylase	Documented In-House Method (FSU-P-TEC-5) using: - Phadebas paper	



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FIBRES and HAIRS	<p><u>Forensic Analysis</u></p> <p>Recovery of fibres and hairs for contingency purposes from clothing and objects</p>	<p>Documented in house method (FSU-P-TEC-6) using</p> <ul style="list-style-type: none"> - visual examination - low power microscopy - taping - wand recovery - forcep recovery 	A
<p>MARKS AND IMPRESSIONS</p> <p>Any material which is capable of retaining friction ridge marks</p>	<p><u>Forensic Analysis</u></p> <p>Enhancement of fingermarks and palm marks</p>	<p>Documented In-House Methods using chemical enhancement and lighting techniques (method numbers provided in brackets)</p> <p>Acid Treatments (FDL-P-TEC-3): Acid Black 1 Acid Violet 17 Acid Yellow 7</p> <p>Cyanoacrylate (CNA) Fuming (FDL-P-TEC-10)</p> <p>Basic Yellow 40 (BY40) - ethanol based - aqueous based (FDL-P-TEC-11)</p> <p>Physical Developer (FDL-P-TEC-9)</p> <p>Ninhydrin (FDL-P-TEC-8)</p> <p>Powdering Techniques: - black, aluminium, magenta flake and black magnetic (FDL-P-TEC-6)</p> <p>1,2 Indandione (FDL-P-TEC-45)</p>	A



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<p>MARKS AND IMPRESSIONS (cont'd)</p> <p>Any material which is capable of retaining friction ridge marks (cont'd)</p>	<p><u>Forensic Analysis</u> (cont'd)</p> <p>Enhancement of fingermarks and palm marks (cont'd)</p>	<p>Powder suspension (FDL-P-TEC-12):</p> <ul style="list-style-type: none"> - Iron Oxide - Carbon Titanium Dioxide <p>Documented In-House Methods using non-destructive techniques</p> <p>White Light (FDL-P-TEC-1)</p> <p>High energy light sources (FDL-P-TEC-1)</p> <p>Laser: 532nm</p> <p>LEDs:</p> <ul style="list-style-type: none"> - Violet (395-425nm), - Blue (420-470nm), - Blue/green (445-510nm), - Green (480-560nm), - Orange (570-610nm) <p>Q2000/30:</p> <ul style="list-style-type: none"> - 340-413nm - 400-469nm - 400-519nm - 468-526nm - 473-548nm - 491-548nm - 503-587nm <p>Digital Capture (FDL-P-TEC-18-30)</p>	<p align="center">A</p>



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<p>MARKS AND IMPRESSIONS (cont'd)</p> <p>Fingermark and palm mark friction ridge detail</p>	<p><u>Forensic Analysis</u> (cont'd)</p> <ul style="list-style-type: none"> - Visual analysis, comparison and evaluation of recovered friction ridge detail / TENPRINTS with finger, thumb and palm from Known ink TENPRINTS - Known electronic TENPRINTS - Recovered lifts - Images of recovered friction ridge detail 	<p>Documented In-House method FPB-P-TEC-15 Standard & Digital Cases</p> <p>FPB-P-TEC-16 ACE-V and Comparison Outcomes</p> <p>FPB-P-TEC-17 Analysis, Notes and Graphical Representations</p> <p>FPB-P-TEC-18 recording Results - Case Docket and Photographs</p> <p>FPB-P-TEC-20 Professional Discussion Procedure</p> <p>FPB-P-TEC-21 Tenprint to Marks</p> <p>FPB-P-TEC-22 Sample Identification Procedure</p> <p>FPB-P-TEC-25 Managing Blind Verifications</p> <p>FPB-P-TEC-26 Verification Procedure</p> <p>FPB-P-TEC-27 Throughput and Dip Checking</p> <p>FPB-P-TEC-4 Arbitration Procedure</p>	A
	<p><u>Opinion and Interpretation</u></p> <p>The evaluation of features between Fingermark and palm mark friction ridge detail</p>	<p>Documented In-House methods using</p> <ul style="list-style-type: none"> - Personal experience - database 	A
	<p>Footwear mark (physical or image)</p> <p>Screening of suspect footwear by pattern type and size</p>	<p>Documented in-house method (FWU-P-TEC-1) using:</p> <ul style="list-style-type: none"> - Visual examination 	A
	<p>Enhancement of footwear marks recovered from scenes.</p> <p>Production of test marks from suspect footwear</p>	<p>Documented In-House methods (FWU-P-TEC-2, FWU-P-TEC-3, FWU-P-TEC-7) using:</p> <ul style="list-style-type: none"> - Imaging (photo/GL scan / Flat bed scanner) - Lifting (ESLA/Gel) <p>Documented In-House method (FWU-P-TEC-12) using:</p> <ul style="list-style-type: none"> - Powdering methods (static and dynamic) - Paint and acetate sheets (dynamic) - Printscan 	



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MARKS AND IMPRESSIONS (cont'd)	<u>Forensic Analysis</u> (cont'd)		
Footwear mark (physical or image) (cont'd)	Assessment, Comparison and evaluation of footwear with scene marks	Documented in-house methods (FWU-P-TEC-12) using: - Visual examination	A
	<u>Opinion and Interpretation</u> 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 (FWU-P-TEC-4) using - Personal experience - database	A
Toolmarks	Enhancement of toolmarks	Documented in house method (FWU-P-TEC-7, FWU-P-TEC-8, FWU-P-TEC-9) using: - lighting technique - casting	A
	Production of Test Marks from suspect items	Documented in house method (FWU-P-TEC-8) using - casting - digital capture/photography - test mark media (lead / wax)	
	Comparison of submitted marks, photographs of marks or marks made from suspect items with marks left at scene	Documented In-House methods (FWU-P-TEC-10) using - visual examination, - low power microscopy - comparison microscopy - dimensional measurements	
	<u>Opinion and Interpretation</u> The evaluation of the significance of any matching and non-matching features between the tool scene impression and reference/control toolmarks	Documented In-House methods (FWU-P-TEC-11) using - Personal experience	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DIGITAL DEVICES AND DATA	<u>Forensic Analysis</u>		
Computers			
Computers and digital storage devices <ul style="list-style-type: none"> - Hard disk drives - Solid state drives - Memory cards - USB flash drives 	Physical capture and preservation of data	Documented in-house method(s) (DFU-P-TEC-4) using: <ul style="list-style-type: none"> - FTK Imager - EnCase - Tableau TD3 - Tableau T356789iu 	B
Mobile phones			
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> - Google Android - Non-smartphone proprietary systems 	Physical capture and preservation of data	Documented in-house method(s) (DFU-P-TEC-4 and 5) using: <ul style="list-style-type: none"> - XRY - UFED 4PC 	B
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> - Apple iOS - Google Android - Non-smartphone proprietary systems 	Logical capture and preservation of data	Documented in-house method(s) (DFU-P-TEC-4 and 5) using: <ul style="list-style-type: none"> - XRY - UFED 4PC - Manual examination 	B
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> - Apple iOS - Google Android - Non-smartphone proprietary systems 	Processing of data	Documented in-house method(s) (DFU-P-TEC-4 and 5) using: <ul style="list-style-type: none"> - XRY - XAMN - Physical Analyzer 	B



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DIGITAL DEVICES AND DATA	<u>Forensic Analysis</u>		
Mobile phones (cont'd)			
(U)SIM cards	Logical capture and preservation of data	Documented in-house method(s) (DFU-P-TEC-4 and 5) using: - XRY - UFED 4PC	B
	Processing of data	Documented in-house method(s) (DFU-P-TEC-4 and 5) using: - XRY - XAMN - Physical Analyzer	B
Memory cards associated with mobile phone handsets and tablets	Physical capture and preservation of data	Documented in-house method(s) (DFU-P-TEC-4 and 5) using: - FTK Imager - EnCase	B
	Processing of data	Documented in-house method(s) (DFU-P-TEC-4 and 5) using: - XRY - XAMN - Physical Analyzer	
END			