


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING</p> <p>8231</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Chief Constable of North Wales Police</h3> <p>Issue No: 020 Issue date: 12 November 2021</p>	
	<p>Scientific Support Unit Divisional HQ Ffordd William Morgan St Asaph LL17 0HQ</p>	<p>Contact: Bethan Roberts Tel: +44 (0) 1745 588 666 E-Mail: Bethan.Roberts2@northwales.police.uk Website: www.north-wales.police.uk</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>BODY FLUIDS and TISSUES</p> <p>Any Material</p> <p>DIGITAL DEVICES AND DATA</p> <p>Computers</p> <p>Computers and digital storage devices</p> <ul style="list-style-type: none"> - Hard disk drives - Solid state drives - Memory cards - USB flash drives - Compact discs - Digital versatile discs - Floppy disks 	<p><u>Forensic Testing</u></p> <p><u>Forensic Analysis</u></p> <p>Recovery and preparation for subsequent DNA analysis or for contingency purposes of the following from searched materials:</p> <ul style="list-style-type: none"> - Cellular Material <p>Physical capture and preservation of data</p>	<p>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</p> <p>Documented In-House Method (SSL-SOP-001) using:</p> <ul style="list-style-type: none"> - swabs and swabbing <p>Documented in-house method(s) (DFU-SOP-009, DFU-SOP-011, DFU-SOP-014, DFU-SOP-016, DFU-SOP-017) using:</p> <ul style="list-style-type: none"> - Guidance EnCase - AccessData FTK Imager - CAINE - Guidance Tableau T356789iu



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<p>MARKS AND IMPRESSIONS</p> <p>Fingermarks Any material which is capable of retaining friction ridge marks</p>	<p><u>Forensic Analysis</u> (cont'd)</p> <p>Enhancement of fingermarks and palm marks</p>	<p>Documented In-House Methods using chemical and physical enhancement techniques (method numbers provided in brackets) :</p> <ul style="list-style-type: none"> - Cyanoacrylate (CNA) Fuming (SSL-SOP-014) - Basic Red 14 (ethanol based) (SSL-SOP-015) - Ninhydrin (SSL-SOP-012) - Powder Suspension (SSL-SOP-11): Titanium dioxide based -white Carbon based – black Iron oxide based -black - Acid dye treatments, ethanol based (SSL-SOP-036): Acid Violet 17, Acid Yellow 7 Acid Black 1 - 1,2-Indandione (SSL-SOP-039) - Powdering techniques (SSL-SOP-038) Aluminium flake powder Black Magnetic SupraNano Magneta Flake powder Black Granular powder White Granular powder - Lifting techniques (SSL-SOP-038) J-Lar tape for recovery of powder developed friction ridge detail



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<p>MARKS AND IMPRESSIONS (cont'd)</p> <p>Fingermarks 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>Documented In-House Methods using visual and lighting enhancement techniques</p> <ul style="list-style-type: none"> - Visual Examination - White Light and Filtered Sources (SSL-SOP-020) - High Intensity Light Sources (SSL-SOP-020) <p>Laser ($\lambda=532\text{nm}$)</p> <p>Crime Lite 82s: UV ($\lambda=350-380\text{nm}$) Blue ($\lambda=420-470\text{nm}$) Green ($\lambda=480-560\text{nm}$)</p>
<p>Fingermarks Any material which is capable of retaining friction ridge marks (cont'd)</p>	<p>Enhancement of fingermarks and palm marks (cont'd)</p>	<p>Documented In-House Methods for imaging / digital capture (SSL-SOP-018) using;</p> <ul style="list-style-type: none"> - DCS4,DCS5
<p>Polymer bank notes</p>		<p>Documented In-House Methods for imaging / digital capture (SSL-SOP-018) using;</p> <ul style="list-style-type: none"> - DCS5 with UV and IR reflectance modes
<p>Developed fingerprint marks</p>	<p>Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison</p>	<p>Documented In-House methods using visual examination (SSL-SOP-028)</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> <p>Visual analysis, comparison and evaluation of recovered friction ridge detail with finger, thumb and palm from:</p> <ul style="list-style-type: none"> - Known ink TENPRINTS - Known electronic TENPRINTS <p><u>Opinion and Interpretation</u> The evaluation of features between Fingermark and palm mark friction ridge detail</p>	<p>Documented In-House methods using visual examination, low power magnification, comparators, dimensional measurements and reference databases.</p> <p>Documented In-House methods using</p> <ul style="list-style-type: none"> - Personal experience - database
END		