


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> TESTING</p> <p>4590</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Chief Constable of Cheshire Constabulary</h3> <p>Issue No: 020 Issue date: 14 November 2021</p>	
	<p><b>Constabulary Headquarters</b> Clemonds Hey Oakmere Road Winsford Cheshire CW7 2UA</p>	<p><b>Contact: Stephanie Yoxall</b> Tel: +44 (0)1606 366720 E-Mail: <a href="mailto:Stephanie.Yoxall@cheshire.pnn.police.uk">Stephanie.Yoxall@cheshire.pnn.police.uk</a> Website: <a href="http://www.cheshire.police.uk">www.cheshire.police.uk</a></p>
<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
BODY FLUIDS and TISSUES	<u>Forensic Testing</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
Any Material	<u>Forensic Analysis</u> Searching for: - Blood	Documented In-house Method (Forensic Laboratory Blood Search and Recovery SOP) using: - visual examination - low power microscopy
Non-porous materials	Recovery and preparation, including for contingency purposes, with subsequent analysis by an ISO/IEC 17025 accredited laboratory of the following from searched materials and swabs: - Blood - Cellular Material	Documented In-house Method (Forensic Laboratory DNA Recovery SOP) using: - swabs and swabbing
Blood	Presumptive testing for Blood via detection of: - Peroxidase	Documented In-house Method (Forensic Laboratory KM Presumptive Blood Test SOP) using: - KM (Kastle Meyer)



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<p>DIGITAL DEVICES and DATA</p> <p>Computers</p> <p>Computers and digital storage devices</p> <ul style="list-style-type: none"> <li>- Hard disk drives</li> <li>- Solid state drives</li> <li>- Memory cards</li> <li>- USB flash drives</li> <li>- Compact discs</li> <li>- Digital versatile discs</li> </ul> <p>Mobile phones</p> <p>Mobile phone handsets and tablets associated with the following operating systems:</p> <ul style="list-style-type: none"> <li>- Google Android</li> <li>- Non-smartphone proprietary systems</li> </ul> <p>Mobile phone handsets and tablets associated with the following operating systems:</p> <ul style="list-style-type: none"> <li>- Apple iOS</li> <li>- Google Android</li> <li>- Non-smartphone proprietary systems</li> </ul> <p>Mobile phone handsets and tablets associated with the following operating systems:</p> <ul style="list-style-type: none"> <li>- Apple iOS</li> <li>- Google Android</li> <li>- Non-smartphone proprietary systems</li> </ul>	<p><u>Forensic Analysis</u> (cont'd)</p> <p>Physical capture and preservation of data</p> <p>Physical capture and preservation of data</p> <p>Logical capture and preservation of data</p> <p>Processing of data</p>	<p>Documented in-house method(s) (Digital Forensic EF0015 - EF0021) using:</p> <ul style="list-style-type: none"> <li>- Guidance EnCase</li> <li>- AccessData FTK Imager</li> <li>- Guidance Tableau T35i</li> <li>- Guidance Tableau T35689iu</li> </ul> <p>Documented in-house method(s) (Digital Forensic EF0006) using:</p> <ul style="list-style-type: none"> <li>- MSAB XRY</li> <li>- Cellebrite UFED 4PC</li> <li>- Cellebrite UFED Touch2</li> </ul> <p>Documented in-house method(s) (Digital Forensic EF0006) using:</p> <ul style="list-style-type: none"> <li>- MSAB XRY</li> <li>- Cellebrite UFED 4PC</li> <li>- Cellebrite UFED Touch2</li> <li>- Manual examination</li> </ul> <p>Documented in-house method(s) (Digital Forensic EF0006) using:</p> <ul style="list-style-type: none"> <li>- MSAB XRY</li> <li>- MSAB XAMN</li> <li>- Cellebrite UFED Physical Analyzer</li> </ul>



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DIGITAL DEVICES and DATA (cont'd)	<u>Forensic Analysis</u> (cont'd)	
(U)SIM cards	Logical capture and preservation of data	Documented in-house method(s) (Digital Forensic EF0006) using: <ul style="list-style-type: none"><li>- MSAB XRY</li><li>- Cellebrite UFED 4PC</li><li>- Cellebrite UFED Touch2</li></ul>
	Processing of data	Documented in-house method(s) (Digital Forensic EF0006) using: <ul style="list-style-type: none"><li>- MSAB XRY</li><li>- MSAB XAMN</li><li>- Cellebrite UFED Physical Analyzer</li></ul>
Memory cards associated with mobile phone handsets and tablets	Physical capture and preservation of data	Documented in-house method(s) (Digital Forensic EF0006) using: <ul style="list-style-type: none"><li>- AccessData FTK Imager</li><li>- MSAB XRY</li><li>- Cellebrite UFED 4PC</li><li>- Cellebrite UFED Touch2</li></ul>
	Processing of data	Documented in-house method(s) (Digital Forensic EF0006) using: <ul style="list-style-type: none"><li>- MSAB XRY</li><li>- MSAB XAMN</li><li>- Cellebrite UFED Physical Analyzer</li></ul>



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<p>MARKS and IMPRESSIONS</p> <p>Fingermarks Any material which is capable of retaining friction ridge marks</p> <p>Developed fingerprint marks</p>	<p><u>Forensic Analysis</u> (cont'd)</p> <p>Enhancement of fingermarks, palm marks and plantar marks</p> <p>Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison</p>	<p>Documented In-house Methods using chemical and physical enhancement techniques (method names provided in brackets):</p> <ul style="list-style-type: none"><li>- Acid Dye Treatments (LAB0022): Acid Violet 17 Acid Yellow 7</li><li>- Cyanoacrylate (CNA) Fuming (LAB0016)</li><li>- Basic Yellow 40 (BY40) ethanol based (LAB0013)</li><li>- 1,8-Diazafluoren-9-one (DFO) (LAB0014)</li><li>- Ninhydrin (LAB0015)</li><li>- Powder Suspensions (LAB0017) Iron oxide based - black Titanium dioxide based - white Carbon based - black</li></ul> <p>Documented In-house Methods using visual and lighting enhancement techniques :</p> <ul style="list-style-type: none"><li>- Visual Examination (LAB0021)</li><li>- White Light (LAB0021)</li><li>- High Intensity Light Sources (LAB0020)<ul style="list-style-type: none"><li>- Quaser 2000/30 Blue <math>\lambda</math> =400-469nm Green <math>\lambda</math> =473 – 548nm</li></ul></li></ul> <p>Documented In-house Method for imaging / digital capture:</p> <ul style="list-style-type: none"><li>- DCS4 (LAB0019)</li></ul> <p>Documented In-house Method (LAB0021) using visual examination</p>



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<p>MARKS and IMPRESSIONS (cont'd)</p> <p>Fingermark and palm mark friction ridge detail</p> <p>Footwear</p> <p>Footwear mark (physically or image)</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"> <li>• Known ink Tenprint sets</li> <li>• Known electronic tenprint sets</li> </ul> <p><u>Opinion and Interpretation</u> The evaluation of features between Fingermark and palm mark friction ridge detail</p> <p>Coding of scene marks</p> <p>Coding of Custody prints taken from suspect footwear</p> <p>Screening of suspect footwear by pattern type and size</p> <p>Enhancement of footwear marks recovered from scenes</p> <p>Production of test marks from suspect footwear</p> <p>Assessment, Comparison and evaluation of footwear with scene marks</p>	<p>Documented In-House method (FP003) 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"> <li>- Personal experience</li> <li>- database</li> </ul> <p>Documented In-house Method (FFU-SOP-003) – reference to NFRC system (National Footwear Reference Collection)</p> <p>Documented In-house Method (FFU-SOP-002) – reference to NFRC system (National Footwear Reference Collection)</p> <p>Documented In-house Method (FFU-SOP-004)</p> <p>Documented In-house Method (FFU-SOP-004) using:</p> <ul style="list-style-type: none"> <li>- Lighting techniques</li> <li>- ESLA</li> <li>- ESDA</li> <li>- Gel lifting</li> <li>- Digital capture photography</li> </ul> <p>Documented In-house Method (FFU-SOP-004) using:</p> <ul style="list-style-type: none"> <li>- Oil and magna powder method</li> <li>- Static powder method</li> <li>- Dynamic powder method</li> </ul> <p>Documented In-house Method (FFU-SOP-004) using visual examination and dimensional measurements</p>



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MARKS and IMPRESSIONS (cont'd)  Footwear mark (physically or image) (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 the footwear scene impression and reference/control footwear marks	Documented In-House Method (FFU SOP 004) using: <ul style="list-style-type: none"><li>- Personal experience</li><li>- Database</li></ul>
END		