


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO/IEC 17025:2017	The City of London Police Commissioner Issue No: 019 Issue date: 14 December 2023	
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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: Kings College London	Local contact: Paul Dainty	Fingerprint Enhancement	A
Address 182 Bishopsgate London	Local contact: Paul Dainty	Fingerprint Comparison	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
MARKS AND IMPRESSIONS Fingermarks. Any material which is capable of retaining friction ridge marks	<u>Forensic Testing</u>	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice in relation to the Forensic Activities listed below.	A, B
	<u>Forensic Analysis</u> Enhancement of fingermarks, palm marks and plantar marks	Documented In-House Methods using chemical enhancement and lighting techniques (method numbers provided in brackets): <ul style="list-style-type: none">- Powder Suspensions (SOP_05): Carbon based - black Titanium dioxide based – white- Acid dye treatments - ethanolic formation (SOP_07) Acid Black 1 Acid Violet 17 Acid Yellow 7- Cyanoacrylate (CNA) Fuming (SOP-03)- Basic Yellow 40 (BY40) ethanol based (SOP_04)- Ninhydrin (SOP_01)- 1,8-Diazafluoren-9-one (DFO) (SOP_02)	A



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MARKS AND IMPRESSIONS (cont'd) Fingermarks Any material which is capable of retaining friction ridge marks	<u>Forensic Analysis</u> (cont'd) Enhancement of fingermarks, palm marks and plantar marks	Documented In-House Methods using visual and lighting enhancement techniques: <ul style="list-style-type: none"> - Visual examination (SOP_09 & 10) - White light - High Intensity Light Sources (SOP_09) Crime Lite ML2 UV (λ =350-380nm) Blue (λ =420-470nm), Green (λ =490-560nm), Crime Lite Violet (λ =400-430nm), Blue (λ =430-470nm), Blue/green (λ =460-510nm), Green (λ =500-550nm) Crime Lite 80s Green (λ =500-550nm) Crime Lite 82s UV (λ =350-380nm), Green (λ =480-560nm), Orange (λ =570-610nm) Crime Lite 8x4 UV (λ =350-380nm) Violet (λ =395-425nm), Blue (λ =420-470nm), Blue/green (λ =445-510nm), Green (λ =480-560nm) Orange (λ =570-610nm)	A
Developed fingerprint marks	Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison	Documented In-House Methods (SOP_11) for imaging / digital capture <ul style="list-style-type: none"> - DCS5 Documented In-House methods (SOP-10) using visual examination	A



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FRICITION RIDGE DETAIL Finger and Palm (Non-Cadaver)	<u>Forensic Analysis</u> (cont'd) Analysis, comparison, and evaluation of Friction Ridge Detail as outlined below for the purpose of: - Criminal Investigation - Elimination Databases		B
<u>Marks</u> - CSI/FEL Recovered Lifts from physical scenes - CSI/FEL Photographs of marks from physical scene - Fingerprint Enhancement Laboratory Recovered Lifts from physical items - Fingerprint Enhancement Laboratory Photographs of marks from physical items	<u>Comparison with Ten Prints</u> - Ink - Powder - Livescan	Documented in house procedures using visual manual techniques: - Fingerprint glass - Reference collections - Comparators (optical) - High Quality Printer	B



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<p>FRICTION RIDGE DETAIL (cont'd)</p> <p>Finger and Palm (Non-Cadaver) (cont'd)</p> <p><u>Ten Prints</u></p> <ul style="list-style-type: none"> - Ink - Powder - Livescan 	<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 - Fingerprint Enhancement Laboratory Recovered Lifts from physical items - Fingerprint Enhancement Laboratory photographs of marks from physical exhibits <p><u>Opinion and Interpretation</u></p> <p>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.</p>	<p>Documented in house procedures using visual manual techniques:</p> <ul style="list-style-type: none"> - Fingerprint glass - Reference collections - Comparators (optical) - High Quality Printer <p>Documented In-House methods using</p> <ul style="list-style-type: none"> - Personal experience - database 	<p align="center">B</p> <p align="center">B</p> <p align="center">B</p>
END			