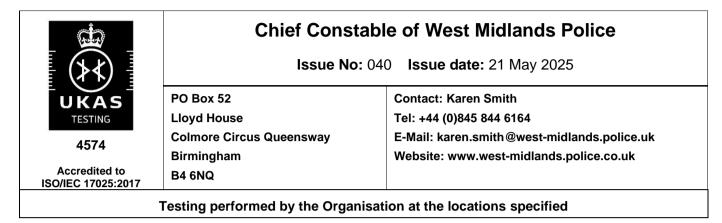
## **Schedule of Accreditation**

issued by

**United Kingdom Accreditation Service** 

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



## Locations covered by the organisation and their relevant activities

## Laboratory locations:

| Location details   |                              | Activity   | Location code |  |
|--|------------------------------|--|---------------|--|
| Address<br>Not Disclosed   | Local contact<br>Karen Smith | Forensic Testing: Firearms                           | A             |  |
| Address<br>Forensic Science Department<br>Ridgepoint House<br>Birmingham<br>B8 2RU | Local contact<br>Karen Smith | Forensic Testing: Body Fluids,<br>Fingerprints, CCTV | В             |  |
| Address<br>PO Box 52<br>Lloyd House<br>Colmore Circus Queensway<br>Birmingham      | Local contact<br>Karen Smith | Forensic Testing: Digital                            | С             |  |

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| Materials/Products tested | Type of test/Properties<br>measured/Range of<br>measurement   | Standard specifications/<br>Equipment/Techniques used   | Location<br>Code |
|---------------------------|---|---|------------------|
|                           | Forensic Testing  | The organisation has<br>demonstrated compliance to the<br>Forensic Science Regulator Code<br>of Practice in relation to the<br>Forensic Activities listed below | A, B, C          |
| BODY FLUIDS and TISSUES   | Forensic Testing  |   |                  |
| Any Material              | Searching for:<br>- Blood   | Documented in-house methods<br>(MCL-SOP-010) using:<br>- visual examination<br>- low power microscopy<br>- chemical testing (see<br>below)                      | В                |
|                           | Recovery and preparation,<br>including for contingency<br>purposes, for subsequent<br>DNA analysis by an ISO/IEC<br>17025 accredited laboratory of<br>the following from searched<br>materials:<br>- Blood<br>- Cellular Material | Documented in-house methods<br>(MCL-SOP-010 and MCL-SOP-<br>016) using:<br>- swabs and swabbing<br>- mini-taping  | В                |
| Blood                     | Presumptive testing for Blood<br>via detection of:<br>- Peroxidase<br>- Human Haemoglobin   | Documented in-house methods<br>(MCL-SOP-010) using:<br>- LMG (Leucomalachite green)<br>- KM (Kastle Meyer)<br>- OBTI  | В                |

## DETAIL OF ACCREDITATION

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|---------------------------|---|---|------------------|
| FIREARMS                  | Forensic Testing (cont'd)   |   |                  |
| Ammunition                | Examination of discharged<br>ammunition components to<br>determine the number of guns<br>used               | Documented in house methods<br>(NABIS-OP-3, 8 & 11) using:<br>comparison microscopy   | A                |
|                           | Opinion and Interpretation<br>The evaluation of features<br>between recovered fired<br>ballistic components | Documented in house methods as<br>above using:<br>- Personal experience<br>- Reference Collections  | A                |
|                           | Examination of cartridges to determine if ammunition has been loaded into a firearm                         | Documented in house methods<br>(NABIS-OP-3, 6 & 11) using:<br>microscopy and comparison<br>microscopy   | A                |
|                           | Opinion and Interpretation<br>The evaluation of features on<br>recovered unfired ammunition                 | Documented in house methods as<br>above using:<br>- Personal experience<br>- Reference Collections  | A                |
|                           | Comparison of spent<br>ammunition to suspect guns   | National Ballistics Intelligence<br>Service (NaBIS) methods<br>(NABIS-OP-8 & 9) using:<br>- IBIS Bullet Trax,<br>- IBIS Brass Trax,<br>- IBIS Matchpoint Plus                                     | A                |
|                           | Comparison of spent<br>ammunition to suspect guns   | Documented in house methods<br>(NABIS-OP-3, 8, 10 & 11) using:<br>comparison microscopy   | A                |
|                           | Opinion and Interpretation<br>The evaluation of features on<br>recovered fired ballistic<br>components      | Documented in house methods as<br>above using:<br>- Personal experience<br>- Reference Collections  | A                |
|                           | Ammunition and component<br>identification and legal<br>classification                                      | <ul> <li>Documented in house methods<br/>(NABIS-OP-3, 6, 7 &amp; 11) using:</li> <li>Weighing</li> <li>length measurement</li> <li>use of known samples or<br/>standard reference data</li> </ul> | A                |

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|---------------------------|---|--|------------------|
| FIREARMS (cont'd)         | Forensic Testing (cont'd)   |  |                  |
|                           | Firearm and firearm<br>component part identification<br>and legal classification<br>(Firearms Act 1968)     | Documented in house methods<br>(NABIS-OP-4, 7 & 12) using<br>comparison with known samples,<br>reference standards and<br>publications | A                |
|                           | Firearm identification from<br>class marks present on<br>ammunition components                              | Documented in house methods<br>(NABIS-OP-3, 8 & 11) using<br>comparison with known samples<br>and use of reference databases.          | A                |
|                           | Opinion and Interpretation<br>The evaluation of features<br>between recovered fired<br>ballistic components | Documented in house methods as<br>above using:<br>- Personal experience<br>- Reference Collections                                     | A                |
|                           | Test Firing to generate test<br>samples of ammunition for<br>inclusion in the NABIS<br>database             | Documented in house methods<br>(NABIS-OP- 1, 4 & 12) meeting<br>the requirements of NABIS  | A                |
|                           |   |  |                  |
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|--|---|---|------------------|
| MARKS AND IMPRESSIONS<br>Fingermarks                               | Forensic Testing (cont'd)                                   |   |                  |
| Any material which is capable<br>of retaining friction ridge marks | Enhancement of fingermarks, palm marks and plantar marks    | Documented in-house methods<br>using chemical and physical<br>enhancement techniques (method<br>numbers provided in brackets):<br>- Acid Dye Treatments -ethanol<br>based (FDL SOP-007):<br>- Acid Black 1,<br>- Acid Violet 17<br>- Acid Yellow 7<br>- Cyanoacrylate (CNA) Fuming<br>(FDL-SOP-005)<br>- Basic Yellow 40 ethanol based<br>(BY40) (FDL-SOP-016)<br>- 1,8-Diazafluoren-9-one (DFO)<br>(FDL-SOP-003)<br>- Physical Developer (FDL-SOP-<br>011)<br>- Ninhydrin (FDL-SOP-002)<br>- Indandione (FDL-SOP-017)<br>- Powder suspensions (FDL-<br>SOP-009):<br>- Titanium dioxide based -<br>white<br>- Carbon based -black<br>- Iron oxide based<br>- Powdering Techniques (FDL-<br>SOP-010):<br>- Black granular powder<br>- Aluminium flake powder<br>- Magneta flake powder<br>- Green fluorescent powder<br>- Green fluorescent powder | В                |

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|--|---|--|------------------|
| MARKS AND IMPRESSIONS (cont'd)   | Forensic Testing (cont'd)   |  |                  |
| Fingermarks (cont'd)   | Enhancement of fingermarks,<br>palm marks and plantar marks<br>(cont'd) | Documented in-house methods<br>using visual and lighting<br>enhancement techniques:  | В                |
| Any material which is capable<br>of retaining friction ridge marks<br>(cont'd) |   | - Visual Examination.<br>- White Light and Filtered<br>Sources (FDL-SOP-006).<br>- High Intensity Light Sources<br>(FDL-SOP-006):<br>Crimelite 828<br>Uv $\lambda$ = 350-380 nm,<br>Crimelite 8x4<br>Violet $\lambda$ =395-425nm<br>Blue $\lambda$ =430-470nm<br>Blue/green $\lambda$ =450-<br>510nm<br>Green $\lambda$ = 490-560nm<br>Red $\lambda$ = 600-660nm<br>Infrared $\lambda$ = 730-800nm<br>Crimelite ML2<br>Violet $\lambda$ =395-425nm<br>Blue $\lambda$ =430-470nm<br>Blue/green $\lambda$ =450-<br>510nm<br>Green $\lambda$ = 490-560nm<br>XLCrimelite<br>Blue $\lambda$ =420-470nm<br>Blue/green $\lambda$ =450-<br>510nm<br>Green $\lambda$ = 490-560nm<br>Corange $\lambda$ = 570-610nm<br>Laser - $\lambda$ = 577nm<br>CopperTree FITS<br>Blue $\lambda$ =445nm<br>Green $\lambda$ =520nm<br>CopperTree TUS laser<br>$\lambda$ =365nm; 445nm and 532nm<br>CopperTree laser<br>$\lambda$ =577nm |                  |

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|---|---|---|------------------|
| MARKS AND IMPRESSIONS (cont'd)                | Forensic Testing (cont'd)   |   |                  |
| Fingermarks (cont'd)                          |   | Documented in-house methods<br>for imaging / digital capture (FDL-<br>SOP-008)<br>- Digital SLR (FDL-SOP008)<br>- DCS5 (FDL-SOP-008)<br>- DCS5 in UV, IR and reflectance<br>mode<br>- (FDL-SOP-006)                                   | В                |
| Developed fingerprint marks                   | Determination of the presence<br>of friction ridge characteristics<br>for the purpose of subsequent<br>comparison | Documented in-house methods<br>(FDL-SOP-004) using visual<br>examination  | В                |
| FRICTION RIDGE DETAIL                         |   |   |                  |
| Finger and Palm (Non-<br>Cadaver)             | Analysis, comparison, and<br>evaluation of Friction Ridge<br>Detail as outlined below for<br>the purpose of:      |   |                  |
|   | Criminal Investigation<br>Elimination Databases<br>Identity Confirmation (DBS)                                    |   | В                |
| Ten Prints<br>- Ink<br>- Powder<br>- Livescan | Comparison with Ten Prints<br>- Ink<br>- Powder<br>- Livescan   | Documented in house procedure<br>(FB-WI-20) using visual manual<br>techniques:<br>- Fingerprint glass<br>- Reference collections<br>- Comparators (optical)<br>- Computer screen<br>- High Quality Printer<br>- Ground Truth Database | В                |

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| Materials/Products tested   | Type of test/Properties<br>measured/Range of<br>measurement   | Standard specifications/<br>Equipment/Techniques used   | Location<br>Code |
|---|---|---|------------------|
| FRICTION RIDGE DETAIL<br>(cont'd)   | Forensic Testing (cont'd)   |   |                  |
| Finger and Palm (Non-<br>Cadaver) (cont'd)  |   |   |                  |
| Marks<br>CSI/FEL Recovered Lifts from<br>physical scenes<br>CSI/FEL Photographs of<br>marks from physical scene<br>Fingerprint Enhancement<br>Laboratory Photographs of<br>marks from physical items<br>Fingerprint Enhancement<br>Laboratory Digital images of<br>marks from Chem lab from<br>physical items | Comparison with Ten Print<br>Ink<br>Powder<br>Livescan  | Documented in house procedures<br>(FB-SOP-003 and FB-SOP-004)<br>using visual manual techniques:<br>Fingerprint glass<br>Reference collections<br>Comparators (optical)<br>High Quality Printer<br>Mark enhancement software<br>Corel PaintShop Pro | В                |
| Ten Prints<br>Ink<br>Powder<br>Livescan   | Analysis, comparison, and<br>evaluation of Friction Ridge<br>Detail as outlined below for<br>the purpose of: (cont'd)<br>- Criminal Investigation<br>- Elimination Databases<br>- Identity Confirmation<br>(DBS)<br>Comparison with Marks<br>CSI/FEL Recovered Lifts from<br>physical scenes<br>CSI/FEL Photographs of<br>marks from physical scenes<br>Fingerprint Enhancement<br>Laboratory photographs of<br>marks from physical exhibits<br>Fingerprint Enhancement<br>Laboratory digital images of<br>marks from physical exhibits | Documented in house procedures<br>(FB-SOP-003 and FB-SOP-004)<br>using visual manual techniques:<br>Fingerprint glass<br>Reference collections<br>Comparators (optical)<br>High Quality Printer<br>Mark enhancement software<br>Corel PaintShop Pro | В                |

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| Materials/Products tested                  | Type of test/Properties<br>measured/Range of<br>measurement   | Standard specifications/<br>Equipment/Techniques used  | Location<br>Code |
|--|---|--|------------------|
| FRICTION RIDGE DETAIL<br>(cont'd)          | Forensic Testing (cont'd)   |  |                  |
| Finger and Palm (Non-<br>Cadaver) (cont'd) | Opinion and Interpretation<br>The evaluation of the<br>significance of any matching<br>and non-matching features<br>between sources of friction<br>ridge detail as outlined in the<br>above scope of accreditation. | Documented In-House methods<br>using<br>- Personal experience<br>- database  | В                |
| DIGITAL DEVICES AND<br>DATA                | Forensic Testing  |  |                  |
| Closed circuit CCTV                        |   |  |                  |
| Digital Video Recorders                    | Capture and preservation of<br>data<br>- Export video<br>(exporting files using<br>CCTV system,<br>copying via analogue<br>or digital output)   | <ul> <li>Documented in-house method(s)<br/>(DVIT-WI-003) using:</li> <li>Manual interaction with<br/>system and / or device</li> <li>DVR Examiner (DVIT-WI-018)</li> <li>A range of CCTV proprietary<br/>software players (DVIT-WI-<br/>018)</li> <li>Networking</li> <li>USB</li> <li>Compact Disks</li> <li>Digital versatile discs</li> </ul> | В                |
| Digital Images/Video                       | Processing of digital<br>images/video<br>Production of digital stills<br>- Redaction<br>- Annotation  | <ul> <li>Documented In-house method(s)<br/>using:</li> <li>Ocean Systems Omnivore<br/>(DVIT-WI-013)</li> <li>A range of CCTV proprietary<br/>software players (DVIT-WI-<br/>018)</li> </ul>  | В                |
| Digital Images/Video                       | Processing of digital<br>images/video<br>Conversion of digital<br>images/video<br>- Transcoding<br>- Screen capturing<br>- Digital data carving<br>- Media file repair  | <ul> <li>Documented In-house method(s) using:</li> <li>Omnivore (DVIT-WI-014)</li> <li>Matrox Convertor (DVIT-WI-014)</li> <li>010 Editor and Winhex (DVIT-WI-018)</li> <li>Adobe Premier (DVIT-WI-021)</li> </ul>   | В                |

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| DIGITAL DEVICES AND<br>DATA (cont'd)   | Forensic Testing (cont'd)                                   |  |                  |
| Computers  |   |  |                  |
| Computers and digital storage<br>devices<br>- Hard disk drives<br>- Solid state drives | Capture and preservation of data from storage devices       | Documented in-house method<br>(DAT-SOP-001) using:<br>- FTK Imager<br>- X-Ways Forensics<br>- Task Force<br>- TX1<br>- Tableau T35u  | С                |
| Computers and digital storage<br>devices<br>- Memory cards                             | Capture and preservation of data from storage devices       | Documented in-house method<br>(DAT-SOP-001) using:<br>- FTK Imager<br>- X-Ways Forensics   | С                |
| Computers and digital storage<br>devices<br>- USB flash drives                         | Capture and preservation of data from storage devices       | Documented in-house method<br>(DAT-SOP-001) using:<br>- FTK Imager<br>- X-Ways Forensics<br>- Task Force<br>- TX1<br>- Tableau T8u   | С                |
| Computers and digital storage<br>devices<br>- CDs<br>- DVDs                            | Capture and preservation of data from storage devices       | Documented in-house method<br>(DAT-SOP-001) using:<br>- EnCase<br>- Tableau T8   | С                |
| Computers and digital storage<br>Devices<br>- Apple Mac-based<br>computers             | Bootable capture and preservation of data                   | Documented in-house method<br>(DAT-SOP-001) using:<br>- Digital Collector  | С                |
| Data associated with the following:<br>- Microsoft Windows                             | Processing of data  | <ul> <li>Documented in-house methods</li> <li>(DAT-SOP-004) using: <ul> <li>X-Ways Forensics (DAT-WI-014)</li> <li>Axiom (DAT-WI-016)</li> <li>Laseri-X (DART-WI-004)</li> </ul> </li> </ul> | С                |

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|--|---|---|------------------|
| DIGITAL DEVICES AND<br>DATA (cont'd)                                     | Forensic Testing (cont'd)   |   |                  |
| Computers (cont'd)   |   |   |                  |
| Data associated with the<br>following:<br>- macOS                        | Processing of data  | Documented in-house methods<br>(DAT-SOP-004) using:<br>- Axiom (DAT-WI-016)<br>- Inspector (DAT-WI-017) | С                |
| Data associated with the<br>following:<br>- Microsoft Windows<br>- macOS | Analysis of data<br>- Keyword Analysis<br>- Date/Timelining<br>- Manual Bookmarking<br>- File Data Filtering<br>- Database Analysis<br>- Application Analysis | Documented in-house method(s)<br>(DART-SOP-001) using:<br>- Axiom (DAT-WI-016)                          | С                |
| Data associated with the following:<br>- macOS                           | Analysis of data<br>- Keyword Analysis<br>- Manual Bookmarking<br>- File Data Filtering<br>- Database Analysis<br>- Application Analysis<br>- Date/Timelining | Documented in-house method<br>(DART-SOP-001) using:<br>Digital Inspector (DAT-WI-017)                   | С                |
| Data associated with the<br>following:<br>- Microsoft Windows<br>- macOS | Analysis of data<br>- Keyword Analysis<br>- Manual Bookmarking<br>- File Data Filtering   | Documented in-house method(s)<br>(DART-SOP-001) using:<br>- X-Ways Forensics (DAT-WI-<br>014)           | С                |
| Data associated with the<br>following:<br>- Microsoft Windows<br>- macOS | Analysis of data<br>- File Data Filtering   | Documented in-house method<br>(DART-SOP-001) using:<br>- Laseri-X (DART-WI-004)                         | С                |

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| DIGITAL DEVICES AND<br>DATA (cont'd)  | Forensic Testing (cont'd)                                   |   |                  |
| Mobile phones   |   |   |                  |
| Mobile phone handsets and<br>tablets associated with the<br>following operating systems:<br>- Apple iOS<br>- Android  | Capture and preservation of data                            | Documented in-house method(s)<br>(DAT-SOP-003) using:<br>- GrayKey (DAT-WI-027)   | С                |
| Mobile phone handsets and<br>tablets associated with the<br>following operating systems:<br>- Apple iOS<br>- Android<br>- Non-smartphone<br>proprietary systems | Capture and preservation of data                            | Documented in-house method(s)<br>(DAT-SOP-003) using:<br>- XRY<br>- UFED 4PC<br>- UFED Touch3<br>- Manual examination<br>using Digital Camera | С                |
| Mobile phone handsets and<br>tablets associated with the<br>following operating systems:<br>- Apple iOS<br>- Android<br>- Non-smartphone<br>proprietary systems | Processing of data  | Documented in-house method(s)<br>(DAT-SOP-003) using:<br>- XRY/XAMN<br>- Physical Analyzer  | С                |
| (U)SIM cards  | Capture and preservation of data                            | Documented in-house method(s)<br>(DAT-SOP-003) using:<br>- XRY  | С                |
|   | Processing of data  | Documented in-house method(s)<br>(DAT-SOP-003) using:<br>- XRY/XAMN   | С                |
| Memory cards associated with<br>mobile phone handsets and<br>tablets  | Capture and preservation of data                            | Documented in-house method(s)<br>(DAT-SOP-003) using:<br>- FTK Imager   | С                |
|   | Processing of data  | Documented in-house method(s)<br>(DAT-SOP-003) using:<br>- UFED Physical Analyzer   | С                |

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|---|--|--|------------------|
| DRUGS<br>(and materials suspected of<br>containing drugs) | Forensic Testing (cont'd)<br>Legal classification of   |  |                  |
|   | controlled drugs (Misuse of Drugs Act 1971)  |  |                  |
|   | <ul> <li>Presumptive testing for: <ul> <li>Amphetamine</li> <li>Methylamphetamine</li> <li>Halogen ring<br/>substituted<br/>phenethylamines</li> <li>Ring-substituted<br/>amphetamines</li> <li>Methylenedioxyring<br/>substituted cathinones</li> <li>Opiates</li> </ul> </li> </ul>  | Documented in house method<br>(DEL-SOP-007) using spot test<br>- Marquis reagent                             | В                |
|   | Presumptive testing for:<br>Cocaine  | Documented in house method<br>(DEL-SOP-007) using spot test<br>- Acidified Cobalt<br>Thiocyanate colour test | В                |
|   | Presumptive testing for:<br>Ketamine   | Documented in house method<br>(DEL-SOP-007) using Spot test<br>- Modified Cobalt<br>Thiocyanate colour test  | В                |
|   | Identification of<br>- Amphetamine<br>- Cannabidiol (CBD)<br>- Delta-9-<br>Tetrahydrocannabinol<br>(THC)<br>- Cannabinol (CBN)<br>- Cocaine<br>- Diamorphine<br>- Diazepam<br>- Ketamine<br>- Methylenedioxymethylam<br>phetamine (MDMA)<br>- Methylamphetamine<br>Methylmethcathinone | Documented in house method<br>(DEL-SOP-011) using<br>- GC-MS   | В                |

|  | Schedule of Accreditation<br>issued by                         |  |
|--|--|--|
|  | United Kingdom Accreditation Service                           |  |
| <b>■ (≯</b> ⊀) <b>■</b>  | 2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK |  |
|  | Chief Constable of West Midlands Police                        |  |
| 4574<br>Accredited to<br>ISO/IEC 17025:2017                      | Issue No: 040 Issue date: 21 May 2025                          |  |
| Testing performed by the Organisation at the locations specified |  |  |

| Materials/Products tested  | Type of test/Properties<br>measured/Range of<br>measurement  | Standard specifications/<br>Equipment/Techniques used  | Location<br>Code |
|--|--|--|------------------|
| DRUGS<br>(and materials suspected of<br>containing drugs) (cont'd) | Forensic Testing (cont'd)  |  |                  |
|  | Identification of<br>- Cocaine hydrochloride<br>- Cocaine (base)<br>- Diamorphine<br>- Diazepam<br>- Ketamine<br>- Methylenedioxymethylam<br>phetamine (MDMA)<br>- Methylamphetamine<br>- Methylmethcathinone<br>(MMC)                                     | Documented in house method<br>(DEL-SOP-012) using<br>- FTIR  | В                |
|  | Identification of additives and<br>diluents commonly associated<br>with drugs:<br>- Benzocaine<br>- Caffeine<br>- Levamisole<br>- Lignocaine<br>- Paracetamol<br>- Phenacetin<br>- Procaine  | Documented in house method<br>(DEL-SOP-011) using<br>- GC-MS   | В                |
|  | Identification of additives and<br>diluents commonly associated<br>with drugs:<br>- Benzocaine<br>- Caffeine<br>- Lignocaine<br>- Paracetamol<br>- Phenacetin<br>- Procaine<br>- Lactose<br>- Boric Acid<br>- Creatine monohydrate<br>- Sodium bicarbonate | Documented in house method<br>(DEL-SOP-012) using<br>- FTIR  | В                |
|  | Identification of cannabis,<br>cannabis resin and cannabis<br>products   | Documented in house method<br>(DEL-SOP-006) using<br>- Visual examination<br>- Microscopy<br>- GC-MS | В                |

|  | Schedule of Accreditation<br>issued by                         |  |  |
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|  | United Kingdom Accreditation Service                           |  |  |
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|  | Chief Constable of West Midlands Police                        |  |  |
| 4574<br>Accredited to<br>ISO/IEC 17025:2017                      | Issue No: 040 Issue date: 21 May 2025                          |  |  |
| Testing performed by the Organisation at the locations specified |  |  |  |

| Materials/Products tested  | Type of test/Properties<br>measured/Range of<br>measurement   | Standard specifications/<br>Equipment/Techniques used   | Location<br>Code |  |  |
|--|---|---|------------------|--|--|
| DRUGS<br>(and materials suspected of<br>containing drugs) (cont'd) | Forensic Testing (cont'd)<br>Identification of<br>characteristically marked<br>proprietary pharmaceuticals,<br>illicit copies and other drugs<br>products | Documented in house method<br>(DEL-SOP-001, DEL-WI-004)<br>using<br>visual comparison of appearance,<br>markings and dimensions with<br>reference materials, data<br>collections and descriptions in<br>authoritative texts | В                |  |  |
| END  |   |   |                  |  |  |