


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>4064</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Key Forensic Services Ltd</h3> <p>Issue No: 016 Issue date: 02 May 2012</p>	
	<p>Unit 1 ATU 1 University of Warwick Science Park Sir William Lyons Road Coventry West Midlands CV4 7EZ</p>	<p>Contact: Dr Roger King/Dr Sue Butcher Tel: +44 (0)2476 323399 Fax: +44 (0)2476 323398 E-Mail: info@keyforensic.co.uk Website: www.keyforensic.co.uk</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Address Unit 1 ATU 1 University of Warwick Science Park Sir William Lyons Road Coventry West Midlands CV4 7EZ</p> <p>Local contact Dr Sue Butcher Tel: +44 (0)2476 323399 Fax: +44 (0)2476 323398 E-Mail: info@keyforensic.co.uk Website: www.keyforensic.co.uk</p>	<p>Forensic Analysis Quality Management</p>	A
<p>Address 207C Cavendish Place Birchwood Park Warrington WA3 6WU</p> <p>Local contact Dr Sue Butcher Tel: +44 (0)2476 323382 Fax: +44 (0)1925 820777 E-Mail: info@keyforensic.co.uk Website: www.keyforensic.co.uk</p>	<p>Forensic Analysis DNA Profiling</p>	B
<p>Address Norwich Research Park Colney Lane Norwich NR4 7UH</p> <p>Local contact Dr Sue Butcher Tel: +44 (0)1603 450079 Fax: +44 (0)1603 450995 E-Mail: info@keyforensic.co.uk Website: www.keyforensic.co.uk</p>	<p>Forensic Analysis DNA Profiling Quality Management</p>	C



4064
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

Key Forensic Services Ltd
Issue No: 016 Issue date: 02 May 2012

Testing performed by the Organisation at the locations specified

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
DRUGS AND BULK MATERIALS SUSPECTED OF CONTAINING DRUGS	<u>Forensic Analysis</u> Identification of: Cannabis Opiates Cocaine Amphetamine Ecstasy LSD (by TLC only) Psilocybin/Psilocin (by TLC only)	Documented in house methods using: spot tests and microscopy (presumptive); TLC; FTIR; GC-MS	A
	Quantification of : Amphetamine Cocaine Diamorphine MDMA	Documented in house method using HPLC	A
PACKAGING (typically, but not restricted to, drugs packaging) Plastic bags and clingfilm	Determination of linkage of two or more objects by their manufacturing detail	Documented in house method using dimensional measurement, visual comparison, polarised light, shadowgraph and FTIR (for the determination of polymer type)	A
MOBILE PHONE HANDSETS, SIM CARDS AND MEDIA CARDS	Capture and preservation of electronic data and digital images	Documented in house method using manual and electronic retrieval	A
MARKS AND IMPRESSIONS	<u>Physical tests/Forensic Analysis</u> Detection enhancement and comparison	Documented in house method using photography, low power microscopy, visual comparison, gel lifting and ESLA	A
Footwear marks	Comparison of crime scene footwear marks and suspect footwear	Documented in house method using visual comparison	A



4064
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

Key Forensic Services Ltd
Issue No: 016 Issue date: 02 May 2012

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MARKS AND IMPRESSIONS (cont'd)	<u>Physical tests/Forensic Analysis</u> (cont'd)		
Footwear marks (cont'd)	Identification of type of footwear	Documented in house method using visual comparison of known footwear sole patterns	A
Tool marks	Enhancement and comparison of marks on submitted items from crime scenes with suspect instruments	Documented in house method using dimensional measurement, casting, visual comparison and comparison microscopy	A
Marks	Revelation of marks in blood on items recovered from scenes	Documented in house method using luminol and leuco-crystal violet (LCV)	B
GLASS	Search and recovery of glass from clothing and objects Comparison of glass fragments	Documented in house methods using refractive index by oil immersion, elemental analysis by SEM-EDX	A
GUN SHOT RESIDUE (GSR) EXAMINATION	Search and recovery of GSR from casework items	Documented in house methods	A
	Analysis and identification of GSR	Documented in house method using SEM-EDX	A
FIBRES			
Natural and Man-made fibres	Search and recovery from clothing and objects	Documented in house method using LPM and taping	A
	Comparison of fibres	Documented in house method using comparison microscopy	A
Natural and Man-made fibres	Colour measurement and comparison	Documented in house method using microspectrophotometry (visible light)	A
Man-made fibres	Identification of fibre type	Documented in house method using colour measurement (TLC), polarising microscopy, FTIR	A



4064
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

Key Forensic Services Ltd
Issue No: 016 Issue date: 02 May 2012

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
PAINT	<u>Physical tests/Forensic Analysis</u> (cont'd)		
	Search and recovery of paint samples from casework items	Documented in house method	A
	Analysis and identification of paint	Documented in house method using microspectrophotometry (MSP), SEM-EDX and FTIR (comparison purposes only)	A
	<u>Forensic Examination and Analysis</u>		
HUMAN BODY FLUIDS (Blood and Urine)	Detection and quantification of alcohol in RTA cases	Documented in house method using GC-FID	A
ALCOHOL	Determination of alcohol content in submitted beverages	Documented in house method using GC-FID	A
FIREARMS	Firearm and ammunition identification	Documented in house method using visual examination, physical properties and features - use of reference sources	B
	Range of fire determination	Documented in house method using appropriate weapon/ ammunition combination and target material to assess range of fire Comparison of test patterns of exhibits	B
	Trigger pressure (pull) measurement	Documented in house method using weights	B
	Test firing	Documented in house method assessing functionality of weapons and/or ammunition Recovering test samples of ammunition for comparison to exhibits	B



4064
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

Key Forensic Services Ltd
Issue No: 016 Issue date: 02 May 2012

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FLAMMABLE LIQUIDS (FIRE ACCELERANTS) Material recovered from fires and potential fire scenes	<u>Forensic Examination and Analysis</u> (cont'd)		
	Recovery of flammable liquids	Documented in house method using Tenax headspace sampling	A
LACHRYMATORS	Examination and analysis of flammable liquids including Petrol Paraffin Turpentine substitute White spirit Diesel Alcohols (methanol/ethanol) Nitromethane	Documented in house method using ATD GCMS	A
	Analysis to determine the nature of the contents of submitted devices including the identification of Ortho-chlorobenzalmalonitrile (CS) Alpha-chloroacetophenone (CN) Pelargonic acid vanillylamide (PAVA) Capsaicin (Pepper Spray)	Documented in house method using GCMS	A
HUMAN BODY FLUID/TISSUES	DNA Profiling		
Blood Nail Buccal Swabs Hairs (LPM) Saliva Cellular Material from contact traces and cellular debris in trace amounts	Analysis of Short Tandem Repeat (STR) loci using SGM Plus	Documented in house methods meeting the requirements for supplies to the Custodian of the National DNA Database for crime scene and subject samples (PACE and Volunteer (casework reference)) using extraction, quantification amplification (PCR), electrophoresis and genetic characterisation by manual systems	B, C



4064
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

Key Forensic Services Ltd
Issue No: 016 Issue date: 02 May 2012

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
HUMAN BODY FLUID/TISSUES (cont'd)	<u>Forensic Examination and Analysis</u> (cont'd) DNA Profiling (cont'd) Analysis of Short Tandem Repeat (STR) loci using SGM Plus (cont'd)	Identification and reporting DNA Profiles to the NDNAD, reporting of matching DNA profiles from within submitted cases. Comparison of DNA profiles against compatible DNA Profile information from other UKAS accredited laboratories.	B, C
ANY MATERIAL	Search for semen, saliva, blood, cellular material Recovery of semen, saliva, blood, cellular material and hairs from searched materials and swabs for DNA analysis In relation to Specific Body Fluids Presumptive testing for seminal fluid via detection of: Acid Phosphatase Choline Prostate Specific Antigen (PSA) Confirmatory identification of Spermatozoa Seminal staining – including presumptive testing of Aspermic semen mixed with other body fluid material	Documented in house methods using visual examination, low power and high power microscopy Documented in house methods using cutting, swabbing of stains, extraction of stained materials, extraction of swabs, minitaping as appropriate Documented in house methods Using acid phosphatase detection (colour reaction) Using Florence Iodine test Using PSA detection by immunoassay Documented in house method using microscopy and Haematoxylin and Eosin staining Documented in house method using appropriate chemical enzymatic tests (AP; PSA)	A, B, C A, B, C A, B, C A, B, C A, B, C A, B, C A, B, C



4064
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

Key Forensic Services Ltd
Issue No: 016 Issue date: 02 May 2012

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	<u>Forensic Examination and Analysis</u> (cont'd)		
ANY MATERIAL (cont.)	Presumptive testing for blood	Documented in house method using peroxidase tests - LMG and KM - colour reactions	A, B, C
	Presumptive testing for saliva via detection of: Amylase	Documented in house method using Phadebas paper (colour reaction)	A, B, C
	Identification and interpretation of blood patterns	Documented in house method using visual examination and microscopy	A, B
DAMAGE Clothing and fabric material	Examination and assessment of damage and comparison with suspected instrument	Documented in house method using visual examination and microscopy	A, B
FIBRES/HAIRS	Recovery from clothing and objects for contingency planning	Documented in house method using taping techniques	A, B, C
END			