Schedule of Accreditation

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United Kingdom Accreditation Service

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

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Accredited to ISO/IEC 17025:2017

Defence Science and Technology Laboratory

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Forensic Explosives Laboratory
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Wiltshire
SP4 0JQ

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Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Forensic Explosives Laboratory Porton Down Wiltshire SP4 0JQ	**Contact:** Mrs Claire Fenwick Tel: +44 (0)1980 955 876 E-Mail: cfenwick@mail.dstl.gov.uk	Forensic Testing	A
Address withheld United Kingdom	**Contact:** Mrs Claire Fenwick Tel: +44 (0)1980 955 876 E-Mail: cfenwick@mail.dstl.gov.uk	Forensic Testing	B

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Dedicated facilities within the Porton Down compound and external incident scenes	Forensic Testing	C

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	Forensic Testing	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 in relation to the Forensic Activities listed below.	A, B, C
		In addition, where compliance has been demonstrated for the related FSA specific requirements this is stated below at the relevant schedule entry	A, B, C
BODY FLUIDS and TISSUES		The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements: Human DNA examination and analysis	A
Any Material	Recovery and preparation, including for contingency purposes, for subsequent DNA analysis by an ISO/IEC 17025 accredited laboratory of the following from searched materials: - Cellular Material - Blood	Documented In-House Methods BIO/SOP035 using: - cutting - swabs and swabbing - Minitapes	A
Blood	Presumptive testing for Blood via detection of Peroxidase	Documented In-House Methods BIO/SM008 using KM (Kastle Meyer)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
EXPLOSIVES, TRACE	Forensic Analysis	Documented In-House Methods:	
	Traditional Explosives		
	Methodologies for the recovery of traditional explosives at trace level	TRC/SOP 032 (Kit workup) TRC/SOP 004 (Sampling for explosives traces) TRC/SOP 004 (Headspace sampling)	A
	Clean-up methods to provide final extracts for analysis	INS/SOP005 (using Isolute ENV+)	A
	Identification and confirmation of explosives and taggants at trace level	INS/SM041 (by GC-TEA)	A
	Identification and confirmation of Selected Nitroaromatics, Nitroesters, Nitramines and Related Compounds	INS/SM033 (by LC-HRMS)	A
	Peroxide Explosives		
	Clean-up method to provide final extracts for analysis of peroxide explosives	INS/SOP005 (using Isolute ENV+)	A
	Identification and confirmation of peroxide explosives	INS/SM047 (by LC-HRMS)	A
EXPLOSIVES, NON-TRACE, PYROTECHNICS and ASSOCIATED MATERIAL	Chemical Testing	Documented In-House Methods:	
	Identification of sugars	INS/SM040 (by IC)	A
	Identification of anions and cations	INS/SM029 (by IC-MS)	A
	Identification of sugar alcohols	INS/SM062 (by IC)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
EXPLOSIVES, NON-TRACE, PYROTECHNICS and ASSOCIATED MATERIAL (cont'd)	<u>Forensic Analysis</u>		
	Burn test for assessing the energetic nature of samples	INS/SM090 (by Blow Torch)	A
	Identification of energetic materials including peroxide based explosives	INS/SM010 (by TLC)	A
	Qualitative elemental analysis	INS/SM0106 (by SEM/EDS)	A
	Qualitative elemental analysis	INS/SM0107 (by SEM/EDS)	A
	Collection of FT-IR Spectrum	INS/SM088 (by FTIR)	A
	Collection of FT-IR Spectrum	INS/SM0104 (by FTIR portable device)	A, C
	Collection of Raman spectra for comparison against reference libraries	INS/SM101 (by Raman Spectroscopy)	A
	Collection of Raman spectra for comparison against reference libraries	INS/SM105 (by Raman microscopy – portable device)	A, C
	Primary explosives sample preparation for XRD analysis	INS/SM002 (by XRD)	A
	Collection of X-Ray diffraction patterns	INS/SM002 (by XRD)	A
	Analysis of fire accelerants	INS/SM031 (by GC-FID)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
EXPLOSIVES, NON-TRACE, PYROTECHNICS and ASSOCIATED MATERIAL (cont'd)	<u>Forensic Analysis</u>		
FORENSIC EXHIBITS	<u>Dimensional Tests</u>	Documented In-House Methods:	
	Measurement of physical dimensions and examinations of wires	INS/SM042 XXXX/SM081	A B
	<u>Electrical Measurements</u>		
	Measurement of electrical quantities	INS/SM006 XXXX/SM082	A B
END			