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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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	Forensic Testing	The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 in relation to the Forensic Activities listed below. In addition, where compliance has been demonstrated for the related FSA specific requirements this is stated below at the relevant schedule entry
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
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
Blood	Presumptive testing for Blood via detection of Peroxidase	Documented In-House Methods - BIO/SM008 using KM (Kastle Meyer)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
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)
	Clean-up methods to provide final extracts for analysis	INS/SOP005 (using Isolute ENV+)
	Identification and confirmation of explosives and taggants at trace level	INS/SM041 (by GC-TEA)
	Identification and confirmation of Selected Nitroaromatics, Nitroesters, Nitramines and Related Compounds	INS/SM033 (by LC-HRMS)
	Peroxide Explosives	
	Clean-up method to provide final extracts for analysis of peroxide explosives	INS/SOP005 (using Isolute ENV+)
	Identification and confirmation of peroxide explosives	INS/SM047 (by LC-HRMS)
EXPLOSIVES, NON-TRACE, PYROTECHNICS and ASSOCIATED MATERIAL	Chemical Testing	Documented In-House Methods:
	Identification of sugars	INS/SM040 (by IC)
	Identification of anions and cations	INS/SM029 (by IC-MS)
	Identification of sugar alcohols	INS/SM062 (by IC)
	Forensic Analysis	
	Burn test for assessing the energetic nature of samples	INS/SM090 (by Blow Torch)
	Identification of energetic materials including peroxide based explosives	INS/SM010 (by TLC)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
EXPLOSIVES, NON-TRACE, PYROTECHNICS and ASSOCIATED MATERIAL (cont'd)	<u>Forensic Analysis</u>	Documented In-House Methods:
	Qualitative elemental analysis	INS/SM0106 (by SEM/EDS)
	Qualitative elemental analysis	INS/SM0107 (by SEM/EDS)
	Collection of FT-IR Spectrum	INS/SM018, INS/SM088 (by FTIR)
	Collection of Raman spectra for comparison against reference libraries	INS/SM014 (by Raman microscopy)
	Primary explosives sample preparation for XRD analysis	INS/SM002 (by XRD)
	Collection of X-Ray diffraction patterns	INS/SM002 (by XRD)
	Analysis of fire accelerants	INS/SM031 (by GC-FID)
FORENSIC EXHIBITS	<u>Dimensional Tests</u>	Documented In-House Methods:
	Measurement of physical dimensions and examinations of wires	INS/SM042
	<u>Electrical Measurements</u>	
	Measurement of electrical quantities	INS/SM006
END		