


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 1401 Accredited to ISO/IEC 17025:2017	Defence Science and Technology Laboratory	
	Issue No: 041 Issue date: 12 December 2024	
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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
	<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.
BODY FLUIDS and TISSUES 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: <ul style="list-style-type: none">- Cellular Material- Blood	Documented In-House Methods <ul style="list-style-type: none">- BIO/SOP035 using: <ul style="list-style-type: none">- cutting- swabs and swabbing- Minitapes
Blood	Presumptive testing for Blood via detection of Peroxidase	Documented In-House Methods <ul style="list-style-type: none">- BIO/SM008 using KM (Kastle Meyer)
EXPLOSIVES, TRACE	<u>Forensic Analysis</u> Traditional Explosives Methodologies for the recovery of traditional explosives at trace level	Documented In-House Methods: TRC/SOP 032 (Kit workup) TRC/SOP 004 (Sampling for explosives traces) TRC/SOP 004 (Headspace sampling)



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EXPLOSIVES, TRACE (cont'd)	<u>Forensic Analysis</u> (cont'd) Traditional Explosives (cont'd) Clean-up methods to provide final extracts for analysis Identification and confirmation of explosives and taggants at trace level Identification and confirmation of Selected Nitroaromatics, Nitroesters, Nitramines and Related Compounds Peroxide Explosives Clean-up method to provide final extracts for analysis of peroxide explosives Identification and confirmation of peroxide explosives	Documented In-House Methods: INS/SOP005 (using Isolute ENV+) INS/SM041 (by GC-TEA) INS/SM033 (by LC-HRMS) INS/SOP005 (using Isolute ENV+) INS/SM047 (by LC-HRMS)
EXPLOSIVES, NON-TRACE, PYROTECHNICS and ASSOCIATED MATERIAL	<u>Chemical Testing</u> Identification of sugars Identification of anions and cations Identification of sugar alcohols <u>Forensic Analysis</u> Burn test for assessing the energetic nature of samples Identification of energetic materials including peroxide based explosives Qualitative elemental analysis Qualitative elemental analysis	Documented In-House Methods: INS/SM040 (by IC) INS/SM029 (by IC-MS) INS/SM062 (by IC) INS/SM090 (by Blow Torch) INS/SM010 (by TLC) INS/SM027 (by SEM/EDS) INS/SM034 (by SEM/EDS)



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EXPLOSIVES, NON-TRACE, PYROTECHNICS and ASSOCIATED MATERIAL (cont'd)	<u>Forensic Analysis</u> (cont'd) Collection of FT-IR Spectrum Collection of Raman spectra for comparison against reference libraries Primary explosives sample preparation for XRD analysis Collection of X-Ray diffraction patterns Analysis of fire accelerants	Documented In-House Methods: INS/SM018, INS/SM088 (by FTIR) INS/SM014 (by Raman microscopy) INS/SM002 (by XRD) INS/SM002 (by XRD) INS/SM031 (by GC-FID)
FORENSIC EXHIBITS	<u>Dimensional Tests</u> Measurement of physical dimensions and examinations of wires <u>Electrical Measurements</u> Measurement of electrical quantities	Documented In-House Methods: INS/SM042 INS/SM006
END		