


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING 1401</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Defence Science and Technology Laboratory</h3> <p>Issue No: 042 Issue date: 01 October 2025</p>	
	<p>Forensic Explosives Laboratory Porton Down Wiltshire SP4 0JQ</p>	<p>Contact: Mrs Claire Fenwick Tel: +44 (0)1980 955 876 E-Mail: cfenwick@mail.dstl.gov.uk</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	<u>Forensic Testing</u>	<p>The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 in relation to the Forensic Activities listed below.</p> <p>In addition, where compliance has been demonstrated for the related FSA specific requirements this is stated below at the relevant schedule entry</p>
<p>BODY FLUIDS and TISSUES</p> <p>Any Material</p> <p>Blood</p>	<p>Recovery and preparation, including for contingency purposes, for subsequent DNA analysis by an ISO/IEC 17025 accredited laboratory of the following from searched materials:</p> <ul style="list-style-type: none"> - Cellular Material - Blood <p>Presumptive testing for Blood via detection of Peroxidase</p>	<p>The organisation has demonstrated compliance to the Forensic Science Regulator Code of Practice V2 FSA Specific Requirements:</p> <ul style="list-style-type: none"> • Human DNA examination and analysis <p>Documented In-House Methods</p> <ul style="list-style-type: none"> - BIO/SOP035 <p>using:</p> <ul style="list-style-type: none"> - cutting - swabs and swabbing - Minitapes <p>Documented In-House Methods</p> <ul style="list-style-type: none"> - BIO/SM008 <p>using KM (Kastle Meyer)</p>



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EXPLOSIVES, TRACE	<p><u>Forensic Analysis</u></p> <p>Traditional Explosives</p> <p>Methodologies for the recovery of traditional explosives at trace level</p> <p>Clean-up methods to provide final extracts for analysis</p> <p>Identification and confirmation of explosives and taggants at trace level</p> <p>Identification and confirmation of Selected Nitroaromatics, Nitroesters, Nitramines and Related Compounds</p> <p>Peroxide Explosives</p> <p>Clean-up method to provide final extracts for analysis of peroxide explosives</p> <p>Identification and confirmation of peroxide explosives</p>	<p>Documented In-House Methods:</p> <p>TRC/SOP 032 (Kit workup) TRC/SOP 004 (Sampling for explosives traces) TRC/SOP 004 (Headspace sampling)</p> <p>INS/SOP005 (using Isolute ENV+)</p> <p>INS/SM041 (by GC-TEA)</p> <p>INS/SM033 (by LC-HRMS)</p> <p>INS/SOP005 (using Isolute ENV+)</p> <p>INS/SM047 (by LC-HRMS)</p>
EXPLOSIVES, NON-TRACE, PYROTECHNICS and ASSOCIATED MATERIAL	<p><u>Chemical Testing</u></p> <p>Identification of sugars</p> <p>Identification of anions and cations</p> <p>Identification of sugar alcohols</p> <p><u>Forensic Analysis</u></p> <p>Burn test for assessing the energetic nature of samples</p> <p>Identification of energetic materials including peroxide based explosives</p>	<p>Documented In-House Methods:</p> <p>INS/SM040 (by IC)</p> <p>INS/SM029 (by IC-MS)</p> <p>INS/SM062 (by IC)</p> <p>INS/SM090 (by Blow Torch)</p> <p>INS/SM010 (by TLC)</p>



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EXPLOSIVES, NON-TRACE, PYROTECHNICS and ASSOCIATED MATERIAL (cont'd)	<u>Forensic Analysis</u> Qualitative elemental analysis Qualitative elemental analysis 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/SM027 (by SEM/EDS) INS/SM034 (by SEM/EDS) 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		