


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: 037 Issue date: 09 June 2021</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>	The organisation has demonstrated adherence to the relevant requirements of the Forensic Science Regulators Code of Practice and Conduct in relation to their Forensic Activities
BODY FLUIDS and TISSUES Any Material Blood	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 Presumptive testing for Blood via detection of Peroxidase	Documented In-House Methods <ul style="list-style-type: none"> - BIO/SOP035 using: <ul style="list-style-type: none"> - cutting - swabs and swabbing - Minitapes 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)



1401
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Defence Science and Technology Laboratory

Issue No: 037 Issue date: 09 June 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
EXPLOSIVES, TRACE (cont'd)	<p><u>Forensic Analysis</u> (cont'd)</p> <p>Traditional Explosives (cont'd)</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>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>Identification of energetic materials including peroxide based explosives</p> <p>Qualitative elemental analysis</p> <p>Qualitative elemental analysis</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/SM010 (by TLC)</p> <p>INS/SM027 (by SEM/EDS)</p> <p>INS/SM034 (by SEM/EDS)</p>



1401
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Defence Science and Technology Laboratory

Issue No: 037 Issue date: 09 June 2021

Testing performed at main address only

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> (cont'd) Collection of FT-IR Spectrum Collection of Raman spectra for comparison against reference libraries Collection of X-Ray diffraction patterns Analysis of fire accelerants	Documented In-House Methods: INS/SM018 (by FTIR) INS/SM014 (by Raman microscopy) 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		