


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>2773</b>  Accredited to <b>ISO/IEC 17025:2017</b>	<b>Alpha BioLaboratories Analytical Ltd</b>  Issue No: 052   Issue date: 31 October 2024	
	<b>14 Webster Court</b> <b>Carina Park</b> <b>Warrington</b> <b>WA5 8WD</b>	<b>Contact: Rachel Flanagan</b> <b>Tel: +44 (0) 333 600 1300</b> <b>+44 (0)1925 255450</b> <b>E-Mail: rflanagan@alphabiolabs.com</b> <b>Website: www.alphabiolabs.co.uk</b>

Testing performed by the Organisation at the locations specified below

### Locations covered by the organisation and their relevant activities

#### Site activities performed away from the locations listed above:

Location details	Activity	Location code
14 Webster Court Carina Park Warrington WA5 8WD  Contact: Rachel Flanagan Tel: +44 (0) 333 600 1300 +44 (0)1925 255450 E-Mail: rflanagan@alphabiolabs.co.uk	Work Place Drugs Analysis/Medical and Legal Analysis	A
1 Webster Court Carina Park Warrington WA5 8WD  Contact: Rachel Flanagan Tel: +44 (0) 333 600 1300 +44 (0)1925 255450 E-Mail: rflanagan@alphabiolabs.co.uk	Relationship Analysis	B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BODY FLUIDS/TISSUES  Swabs (Buccal cells) Nail Toothbrushes	<u>Relationship Analysis</u>  Short Tandem Repeat (STR) DNA profiling for relationship testing for: <ul style="list-style-type: none"><li>- Paternity</li><li>- Maternity</li><li>- Sibling</li><li>- Extended relationships (Aunt/Uncle, Niece/Nephew, Grandparent, Grandchild, Cousin)</li><li>- Y-chromosome Analysis</li></ul>	Documented in-house methods [SOP ref: PRC565, PRC 812] using manual/automated extraction: <ul style="list-style-type: none"><li>- Promega SwabSolution</li><li>- Prep-N-Go</li><li>- QIAmp DNA Investigator (nail only)</li></ul>	B
		Documented in-house methods [SOP ref: PRC521, PRC 545] using manual/automated amplification and the following chemistry: <ul style="list-style-type: none"><li>- Fusion STR Multiplex</li><li>- Verifiler Express</li><li>- HDPLEX</li><li>- SureID® 27 Comp</li><li>- Yfiler Plus</li></ul>	B
		Documented in-house methods [SOP ref: PRC540, PRC569, PRC570] using electrophoresis: <ul style="list-style-type: none"><li>- Applied Biosystems 3500xl Genetic Analyser©</li></ul>	B
	<u>Related Opinions and Interpretation</u>  Comparison, interpretation and statistical analysis of DNA profiles against compatible DNA Profile Information from within submitted cases	Documented in-house methods for Genetic Characterisation using: <ul style="list-style-type: none"><li>- Familias software</li></ul>	B





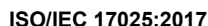
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BODY FLUIDS/TISSUES (cont'd)	<u>Work Place Drugs Analysis/Medical and Legal Analysis</u>		
Hair	Presumptive screening for the presence of the following drugs (cut-off limit)  Benzoyllecgonine (0.05ng/mg) Cocaethylene (0.05ng/mg) Cocaine (0.5ng/mg) Diazepam (0.05ng/mg) Methadone (0.2ng/mg) Methamphetamine (0.2ng/mg) Morphine (0.2ng/mg) MDMA (0.2ng/mg) 6-Acetylmorphine (0.2ng/mg) Codeine (0.2ng/mg) Dihydrocodeine (0.2ng/mg) Norcocaine (0.05ng/mg) AEME (0.1ng/mg) Alprazolam (0.05ng/mg) Temazepam (0.05ng/mg) Nitrazepam (0.05ng/mg) Chlordiazepoxide (0.05ng/mg) THC (0.05ng/mg) Ketamine (0.1ng/mg) Tramadol (0.2ng/mg) N-desmethyltramadol (0.2ng/mg)	Documented in-house method [SOP ref: PRC 006, PRC014, PRC585, PRC 586 and PRC 588] using methanol extraction and LC-MS/MS	A
Hair	Quantitative analysis of the following drugs (range):  Benzoyllecgonine (0.005-1.0ng/mg) Cocaethylene (0.005-1.0ng/mg) Cocaine (0.05-10.0ng/mg) Diazepam (0.025-5.0ng/mg) Methadone (0.025-5.0ng/mg) Methamphetamine (0.025-5.0ng/mg) Morphine (0.025-5.0ng/mg)	Documented in-house method [SOP ref PRC 006, PRC014: PRC585 PRC 586 and PRC 588] using methanol extraction and LC-MS/MS	A



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BODY FLUIDS/TISSUES (cont'd)  Oral Fluids (Quantisal Collection Device)	<u>Work Place Drugs Analysis/Medical and Legal Analysis (cont'd)</u>  Confirmation and Quantitative analysis of the following drugs (cut-off limit); [Concentration Range]  <b>Opiates Group:</b> Morphine (15ng/ml); [5-40ng/ml] Dihydrocodeine (15ng/ml) [5-40ng/ml] Codeine (15ng/ml); [5-40ng/ml] 6-monoacetylmorphine (2ng/ml); [0.8-6.4ng/ml] Methadone (20ng/ml); [7-56ng/ml] EDDP (20ng/ml); [7-56ng/ml]  <b>Cocaine and Metabolites:</b> Benzoylecgonine (8ng/ml); [2.5-20ng/ml] Cocaine (8ng/ml); [2.5-20ng/ml] Cocaethylene (8ng/ml); [2.5-20ng/ml] Norcocaine (8ng/ml); [2.5-20ng/ml]  <b>Amphetamines Group:</b> Amphetamine (15ng/ml); [5-40ng/ml] Methamphetamine (15ng/ml); [5-40ng/ml] MDA (15ng/ml); [5-40ng/ml] MDMA (15ng/ml); [5-40ng/ml]	Documented in-house methods [SOP ref: PRC 826] using SLE and LC-MS/MS	A



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BODY FLUIDS/TISSUES (cont'd)  Oral Fluids (Quantisal Collection Device)	<u>Work Place Drugs Analysis/Medical and Legal Analysis (cont'd)</u>  Confirmation and Quantitative analysis of the following drugs (cut-off limit); [Concentration Range]  <b>Benzodiazepines Group:</b> Diazepam (3ng/ml); [1-8ng/ml] Nordazepam (3ng/ml); [1-8ng/ml] Temazepam (3ng/ml); [1-8ng/ml] Oxazepam (3ng/ml); [1-8ng/ml] Alprazolam (3ng/ml); [1-8ng/ml] Nitrazepam (3ng/ml); [1-8ng/ml]  <b>Canabinoids Group:</b> d9-tetrahydcannabinol (THC) (2ng/ml); [0.7-5.6ng/ml] Cannabdiol (CBD) (2ng/ml); [0.7-5.6ng/ml]  <b>Other drugs:</b> Ketamine (15ng/ml); [5-40ng/ml] Tramadol (5ng/ml); [1.5-12ng/ml]	Documented in-house methods [SOP ref: PRC 826, 827, 828 and 829] using SLE and LC-MS/MS	A
END			