

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> TESTING</p> <p>7641</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Analytical Services International Ltd (ASI)</h3> <p>Issue No: 012      Issue date: 11 March 2022</p>	
	<p>St George's - University of London Cranmer Terrace London SW17 0RE United Kingdom</p>	<p>Contact: Professor Atholl Johnston Tel: +44 (0)208 725 2845 Fax: +44 (0)208 767 9687 E-Mail: atholl.johnston@bioanalytics.co.uk Website: www.bioanalytics.co.uk/</p>
<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
BODY FLUIDS	<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
Blood/Urine (Preserved)	Detection and quantitation the following in relation to Section 5 of the Road Traffic Act 1988 (as amended) minimum quantification level 10 mg%,  Alcohol Blood 80 mg/100mL, quantification range 10 – 400 mg%;  Urine 107mg/100mL, quantification range 10 – 400 mg%	Documented in house (SOP 238) using GC-FID, <i>headspace GC-FID</i>
Blood/Urine (Preserved)	Identification and quantification of alcohol (ethanol) in non RTOA samples (cut-off limit)  Alcohol Blood 80 mg/100mL with minimum quantification level 10 mg% and quantification range 10 – 400 mg%;  Urine 107mg/100mL with minimum quantification level 10 mg% and quantification range 10 – 400 mg%	Documented in house (SOP 238) using GC-FID, <i>headspace GC-FID</i>



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BODY FLUIDS (cont'd)	<u>Related Opinions and Interpretations</u>	
Alcohol Technical Defence (in relation to RTA and sexual offences) for sample matrix including blood/urine/breath	Estimation of alcohol consumption and elimination with respect to validity of drinking patterns: 1) Effect of alleged post accident alcohol consumption on measured breath/body fluids alcohol levels 2) Effect of alleged spiked drink 3) Back calculations of breath/ blood/urine alcohol levels to the time of accident or other incident from 8.7µg% / 20mg% / 27mg% and above	Documented in house (SOP 273) using mathematical calculations
Human plasma (from unpreserved blood)	<u>Medical and Legal Analysis</u> Quantitative analysis of the following drugs (concentration range): Anti-psychotic group: Clozapine (0.01-3.00 mg/L) Norclozapine (0.01-3.00 mg/L)	Documented in house method (SOP 290), extraction using protein precipitation and phospholipid removal followed by instrumental analysis using LC-MS/MS
Human plasma (from unpreserved blood)	Quantitative analysis of the following drugs (concentration range): Anti-psychotic group: Clozapine (0.01-3.00 mg/L) Norclozapine (0.01-3.00 mg/L)	Documented in house method (SOP 290), extraction using protein precipitation and phospholipid removal followed by instrumental analysis using LC-TOF-MS



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BODY FLUIDS (cont'd)  Whole blood (preserved)	<p><u>Medical and Legal Analysis</u></p> <p>Detection and quantification of drugs in relation to s5A of the Road Traffic Act 1988 (as amended) and The Drug Driving (Specified Limits) (England and Wales) Regulations 2014 (as amended): (Limit) and (Calibration Range)::            Amphetamine(250 µg/L)            (80-2,000 µg/L)            Benzoylcegonine (50 µg/L)            (20-500 µg/L)            Clonazepam (50 µg/L)            (20-500 µg/L)            Cocaine (10 µg/L) (4-100 µg/L)            Diazepam (550 µg/L)            (80-2,000 µg/L)            Flunitrazepam (300 µg/L)            (100-2500 µg/L)            Ketamine (20 µg/L) (8-200 µg/L)            Lorazepam (100 µg/L)            (40-1000 µg/L)            Lysergic Acid Diethylamide – LSD (1 µg/L)            (0.4-10 µg/L)            Methadone (500 µg/L)            (80-2000 µg/L)            Methylamphetamine (10 µg/L)            (4-100 µg/L)            Methylenedioxyamphetamine – MDMA            (10 µg/L) (4-100 µg/L)            6-Monoacetylmorphine (5 µg/L)            (2-50 µg/L)            Morphine (80 µg/L) (32-800 µg/L)            Oxazepam (300 µg/L)            (100-2500 µg/L)            Temazepam (1000 µg/L) (160-4000 µg/L)            Delta-9-tetrahydrocannabinol            (2 µg/L) (1.0-25 µg/L)</p>	<p>Documented in house (SOP 324)            Extraction using protein precipitation and phospholipid removal followed by LC-MS/MS</p>
END		