


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Mass Spec Analytical Ltd</h3> <p>Issue No: 004 Issue date: 23 September 2009</p>	
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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
Banknotes	<p><u>Chemical /Forensic Analysis</u></p> <p>Semi-quantitative detection and identification of controlled substances:</p> <p>Amphetamines: Amphetamine Methylenedioxymethylamphetamine Methylamphetamine</p> <p>Benzodiazepines : Diazepam Temazepam</p> <p>Cocaine</p> <p>Cannabis: Delta-9-tetrahydrocannabinol</p> <p>Methadone</p> <p>Opiates: Codeine Diamorphine Morphine</p> <p>Phenacetin Aspirin</p>	<p>Documented In-house processes and related procedures</p> <p>MSA1 process, by thermal desorption MS-MS</p> <p>MSA9596RS, MSA9579KAE, MSA9622RS, MSA10784PGL, MSA9610ELT, MSA7735JFC</p>



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<p>Swabs taken of miscellaneous items, including but not limited to items such as: Mobile phones, Items of Clothing, Weighing scales</p>	<p><u>Chemical /Forensic Analysis</u></p> <p>Semi-quantitative detection and identification of controlled substances</p> <p>Amphetamines: Amphetamine Methylenedioxymethylamphetamine Methylamphetamine</p> <p>Benzodiazepines : Diazepam Temazepam</p> <p>Cocaine</p> <p>Cannabis: Delta-9-tetrahydrocannabinol</p> <p>Methadone</p> <p>Opiates : Codeine Diamorphine Morphine</p> <p>Phenacetin Aspirin</p>	<p>Documented In-house processes and related procedures</p> <p>MSA2 process by thermal desorption MS-MS</p> <p>MSA9596RS, MSA9579KAE, MSA9622RS, MSA10784PGL, MSA9610ELT, MSA7735JFC</p>
<p>Bulk Drugs and Pharmaceuticals</p>	<p>Identification, confirmation and quantification (where specified) of bulk drugs</p> <p>Sampling of Exhibits submitted suspected to contain controlled drugs</p>	<p>MSA 6 process using techniques and specific documented in-house methods.</p> <p>Visual examination by MSA12005JCH and strategy for sub-sampling ; MSA8404JFC</p>



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Bulk Drugs and Pharmaceuticals (cont'd)	<p><u>Chemical /Forensic Analysis</u></p> <p>Presumptive screening tests for the presence of :</p> <p>Cannabis</p> <p>Cocaine</p> <p>Cocaine, Methaqualone, Methadone, Diazepam, Lidocaine, Ketamine, Phencyclidine</p> <p>Amphetamine, Methamphetamine, MDMA Morphine, Codeine, Diamorphine</p> <p>Detection and identification of Drugs and Cutting Agents in substances suspected to contain controlled drugs; Baking Powder Chalk Caffeine Cellulose Corn Flour Ethyl-4-aminobenzoate Ibuprofen Lactose B.P Lidocaine Phenacetin Poly(ethylene glycol)8000 Sodium Carbonate Sucrose</p>	<p>Documented In-house processes and related procedures</p> <p>By Duquenois-Levine colour test, MSA11772FAT</p> <p>By Modified Cobalt Thiocyanate test (Scott colour test), MSA12110 FAT</p> <p>By Cobalt Thiocyanate colour test, MSA 12110FAT</p> <p>By Marquis colour test, MSA12109FAT</p> <p>By FTIR; MSA11563JCH MSA11725JCH</p>



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Bulk Drugs and Pharmaceuticals	<u>Chemical /Forensic Analysis</u> Detection and identification of controlled substances: Amphetamines: Amphetamine Methylenedioxyethylamphetamine (MDMA) Methamphetamine Benzodiazepines : Diazepam Temazepam Buprenorphine Cocaine Cannabis: Cannabis resin Delta-9-tetrahydrocannabinol Methadone Opiates: Codeine Dihydrocodeine Diamorphine (Heroin) Morphine Phenacetin AlkylNitrites Aspirin Caffeine Ibuprofen Lidocaine Paracetamol Viagra	Documented In-house processes and related procedures Derivatisation : MSA11397JFC By GC-MS; MSA12013JFC MSA7734JFC
Bulk Drugs and Pharmaceuticals	Quantification of : Cocaine, Diamorphine	By GC-FID: MSA12013JFC MSA11676JFC
Packaging Materials (Plastics, paper, polymer films)	Comparison and Identification of Packaging materials	MSA12006JCH By FTIR: MSA12071JCH MSA11725JCH



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BODY FLUIDS	<u>Chemical /Forensic Analysis</u>	Documented In-house processes and related procedures
Human Blood; Human Urine	Identification, confirmation and quantification (where specified) of ethanol and/or fluoride	MSA 5 process for determination of Alcohol and associated documented in house methods
	Quantitation of Ethanol (mg of ethanol per 100ml matrix)	using static headspace capillary gas chromatography MSA6134JFC
	Quantitation of Fluoride (mg of fluoride per ml matrix)	using ion selective electrode MSA11291JFC
	Alcohol technical defence calculations Spiked drink Post incident consumption Body fluid alcohol levels to time of accident or other incident.	By calculation MSA9966JFC MSA10709JFC
BEVERAGES		
Alcoholic Beverages (Spirits only)	Quantitation of Alcoholic Strength	Headspace GC-FID. MSA9962JFC MSA6134JFC
ORGANIC COMPOUNDS	<u>Chemical Analysis</u>	Documented In-house processes and related procedures
Plastics, drug compounds and pharmaceutical preparations (in powder and tablet form)	$\delta^{15}\text{N}/^{14}\text{N}$ $\delta^{13}\text{C}/^{12}\text{C}$	MSA3 process for determination of isotopic ratio in organic compounds by continuous flow elemental analyser, and isotope ratio mass spectrometry MSA10804JCH MSA10805JCH MSA10806JCH MSA10808JCH MSA10810JCH MSA10811JCH MSA10812JCH MSA10813JCH MSA10814JCH MSA10815JCH



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ORGANIC COMPOUNDS (cont'd) Fuel oxygenates (eg ethanol and ethyl tertiary butyl ether)	<u>Chemical Analysis</u> (cont'd) $\delta^{13}\text{C}/^{12}\text{C}$	Documented In-house processes and related procedures MSA 4 process for determination of isotopic ratio in fuel oxygenates by continuous flow elemental analyser, or GC combustion or pyrolysis and isotope ratio mass spectrometry MSA10697JFC MSA10804JCH MSA10805JCH MSA10806JCH MSA10808JCH MSA10809JCH MSA10810JCH MSA10811JCH MSA10812JCH MSA10813JCH MSA10814JCH MSA10815JCH
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