


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

 <b>0024</b>  Accredited to <b>ISO/IEC 17025:2017</b>	<b>Hampshire Scientific Service</b>  <b>Issue No: 079 Issue date: 07 December 2021</b>	
	<b>Hyde Park Road</b> <b>Southsea</b> <b>Hampshire</b> <b>PO5 4LL</b>	<b>Contact: David Minton</b> <b>Tel: +44 (0)370 779 0001</b> <b>E-Mail: SSDISO@hampshire.pnn.police.uk</b> <b>Website: www.hants.gov.uk/scientificservice</b>

Testing performed by the Organisation at the locations specified below

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

**Laboratory locations:**

Location details		Activity	Location code
<b>Address</b> Hyde Park Road Southsea Hampshire PO5 4LL	<b>Local contact</b>  Jennifer Green-Lewis Arran Cobley Heather Thomaslan Jerrum  Tel: +44 (0)370 779 0001 Email: HSS@hants.gov.uk	General Toxicology/Forensic Analysis Asbestos Chemical Testing Microbiological Testing Toy and Product Safety Tests	A
<b>Address</b> <b>Unit 1,</b> <b>Alchorne Place,</b> <b>Dundas Lane,</b> <b>Hilsea,</b> <b>Portsmouth,</b> <b>PO3 5QL</b>	<b>Local contact</b>  David Minton  Tel: +44 (0)370 779 0001 Email: <b>SSDISO@hampshire.pnn.police.uk</b>	Forensic Analysis	C
<b>Address</b> Scenes of Crime Office Southampton Central Police Station Southern Road Southampton SO15 1AN	<b>Local contact</b>  David Minton  Tel: +44 (0)370 779 0001 Email: <b>SSDISO@hampshire.pnn.police.uk</b>	Forensic Analysis	D
<b>Address</b> 6-8 Hampshire Terrace Portsmouth PO1 2QF	<b>Local Contact</b> David Minton  Tel: +44 (0)370 779 0001 Email: <b>SSDISO@hampshire.pnn.police.uk</b>	Forensic Analysis	E



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Location details	Activity	Location code
<b>Address</b> Fingerprint Bureau Herschel House Southern Support and Training Headquarters Hamble Lane Eastleigh SO31 4TS <b>Local Contact</b> David Minton Tel +44 (0)2392 829501 Email: <a href="mailto:SSDISO@hampshire.pnn.police.uk">SSDISO@hampshire.pnn.police.uk</a>	Forensic Analysis	F

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Premises including domestic, commercial and industrial Arran Cobley (Asbestos)	Health and Hygiene (Asbestos)	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
<b>HEALTH AND HYGIENE</b>			
ASBESTOS FIBRES IN AIR	<u>Health and Hygiene</u>	Health and Safety Executive Asbestos: The analysts' guide for sampling, analysis and clearance procedures (HSG 248)	
	Fibre counting	HSG 248:February 2005 (Documented In-House Procedure ASB/SOP/OM8)	A, B
	Sampling of air for fibre counting	HSG 248:February 2005 (Documented In-House Procedure ASB/SOP/OM8)	A, B
ASBESTOS IN BULK MATERIALS including materials and products suspected of containing asbestos	4 Stage Clearance Process	HSG 248:February 2005 (Documented In-House Procedure ASB/SOP/OM8)	B
	Identification of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	HSG 248:February 2005 by Documented In-House Procedure ASB/SOP/OM7 using stereo-microscopy, polarised light microscopy and dispersion staining	A
	Sampling of bulk materials for asbestos identification	Documented In-House Procedure ASB/SOP/OM6	B



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<b>CHEMICAL TESTING</b>			
FOOD  BEVERAGES - ALCOHOLIC        Spirits and Alcoholic Beverages up to 60 %v/v	<u>Chemical Tests</u>	Documented In-House Methods:	
	Alcohol	(1) Method FOD/SOP/05.101 using specific gravity and obscuration (2) Method No 05.106 using GC/FID (3) Method FOD/SOP/ 05.109 using distillation followed by specific gravity	A
	<b>Congeners:</b> Ethyl acetate Methanol 2 Methyl Propan-1-ol 2 Methyl Butan-1-ol 3 Methyl Butan-1-ol Propan-1-ol	Method FOD/SOP/ 55.009 using (GC/FID)	A
	Ethanol	Method 05.111 using GC - FID detector	A
	<b>Preservatives:</b> Sulphur Dioxide	(1) Method No 50.651 using the Shipton Method (2) Method No 50.650 (Qualitative) the Parkes Method	A
	<b>Sugars:</b> Fructose Glucose Sucrose	Method No 75.005 using HPAE/PAD	A



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FOOD (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods:	
BEVERAGES - NON-ALCOHOLIC			
Coffee	Caffeine	Method FOD/SOP/ 02.205 using HPLC/UV detection	A
Soft Drinks	Additives: Acesulfam-K Aspartame Benzoic acid Caffeine Saccharin Sorbic acid	Method No 75.007 using HPLC/UV	A
	Preservatives: Benzoic Acid	Method No 75.003 using HPLC/UV detection	A
	Sorbic Acid	Method No 75.003 using HPLC/UV detection	A
	Soluble solids	Method No 25.080 based on EEC Commission Regulation EU 974/2014 using refractometry	A
	Sugars: Fructose Glucose Lactose Sucrose	Method No 75.005 using HPAE/PAD	A
CEREAL AND CEREAL PRODUCTS	Deoxynivalenol	Method FOD/SOP/ 75.047 using immunoaffinity column clean-up and HPLC-UV)	A
	Zearalenone	Method No 75.046 using immunoaffinity column clean-up and HPLC-fluorescence	A



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FOOD (cont'd)	<u>Chemical Tests (cont'd)</u>	Documented In-House Methods:	
CEREAL AND CEREAL PRODUCTS (cont'd)	<b>Total Aflatoxins:</b> Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Method No 75.044 using HPLC/fluorescence	A
FLOUR	Moisture	Method No 25.074 using Gravimetry	A
CONFECTIONERY AND HIGH SUGAR CONTENT PRODUCTS			
Cocoa and Chocolate products	Butterfat in fat	Method No 09.010 using GC/FID	A
	Theobromine	Method FOD/SOP/02.210 using HPLC/UV	A
	Fatty Acid Composition Saturates Mono-unsaturates Poly-unsaturates Trans fatty acids	Method No 09.099 using GC/FID	A
	<b>Sugars:</b> Fructose Glucose Lactose Sucrose	Method No 75.005 using HPAE/PAD	A



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FOOD (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods:	
PRESERVES Jam	Soluble solids	Method No 25.080 using refractometry	A
	<b>Sugars:</b> Fructose Glucose Lactose Sucrose	Method No 75.005 using HPAE/PAD	A
SUGAR and SUGAR CONFECTIONERY	Butterfat in fat	Method No 09.010 using GC/FID	A
	<b>Sugars:</b> Fructose Glucose Lactose Sucrose	Method No 75.005 using HPAE/PAD	A
HONEY and HONEY PRODUCTS	Acidity	Method No 01.018 using Potentiometric titration	A
	Ash	Method No 25.026 using Gravimetry	A
	Hydroxymethylfurfural	(1) Method FOD/SOP/ 05.235 (HPLC)	A
	Moisture	Method No 25.076 using Refractometry	A
	<b>Sugars:</b> Fructose Glucose Lactose Sucrose	Method No 75.005 using HPAE/PAD	A
DAIRY PRODUCTS	Butterfat in fat	Method No 09.010 using GC/FID	A
	Fat	Method No 09.025 using Werner Schmidt and Method No 09.020 using alkaline hydrolysis	A



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FOOD (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods:	
	Fatty Acid Composition Saturates Mono-unsaturates Poly-unsaturates Trans fatty acids	Method No 09.099 using GC/FID	A
MILK AND MILK PRODUCTS	Butterfat in fat	Method No 09.010 using GC/FID	A
	Milk (Allergen)	FOD-SOP-75.056 by R-Biopharm Ridascreen Fast Milk Test Kit	A
FISH AND FISH PRODUCTS	Ash	Method No 25.030 using gravimetry	A
	Histamine	Method No 20.407 using HPLC/UV	A
	Moisture	Method FOD/SOP/ 25.078 based on BS 4401:Part 3:1970(1986)	A
	Soya	Method No 10.193 using ELISA (Neogen kit)	A
FRUIT PRODUCTS and PROCESSED FRUIT			
Fruit Products	Dry soluble residue (soluble solids)	Method No 25.080 using refractometry	A
	<b>Sugars:</b> Fructose Glucose Lactose	Method No 75.005 using HPAE/PAD	A





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FOOD (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods:	
MEAT AND MEAT PRODUCTS			
Fresh or Frozen	Beta-HADH activity (Fresh or Frozen)	Method No 10.159 using UV Spectrophotometry	A
	Ash	Method No 25.030 using Gravimetry	A
	Fat and free fat	Method Nos 09.025 using Werner-Schmidt Method	A
	Hydroxyproline	Method No 20.420/20 using acid hydrolysis and spectrophotometry	A
	Moisture	(1) Method FOD/SOP/ 25.078 based on BS 4401:Part 3:1970(1986)	A
		(2) Method No 25.064	A
	Soya	Method No 10.193 using ELISA (Neogen kit)	A
NUTS and NUT PRODUCTS	Total Aflatoxins: Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Method No 75.044 using HPLC/fluorescence	A
OILS and FATS	Butterfat in fat	Method No 09.010 using GC/FID	A
	Fatty Acid Composition Saturates Mono-unsaturates Poly-unsaturates Trans fatty acids	Method No 09.099 using GC/FID	A
	Fatty acid profile	Method No 09.099 using GLC	A



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FOOD (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods:	
POULTRY AND POULTRY PRODUCTS	Ash	Method No 25.030 using Gravimetry	A
	HADH Activity	Method No 10.159 (Enzymic Techniques) using UV Spectrophotometry	A
	Moisture	Method FOD/SOP/ 25.078 using gravimetry	A
	Soya	Method No 10.193 using ELISA (Neogenkit)	A
VEGETABLES	Soluble solids (canned and processed)	Method No 25.080 using refractometry	A
Food and Food products (specified where required)	Additives Contaminants Nutritional components	Method No 91.127, Flexible scope for the development/ modification of method for food analysis using the techniques: HPLC with: UV detection Fluorescence detection Pulsed imperometric detection GC with FID Inductively Coupled Plasma - Optical Emission Spectrometry Inductively Coupled Plasma - Mass Spectrometry UV/Vis Spectrophotometry ELISA	A



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FOOD (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods:	
Food and Food products (specified where required) (cont'd)	Alcohol	Method No 05.110 using GC/FID	A
	Nitrogen/Crude Protein	FOD/SOP/005 based on Dumas method	A
Alcoholic Beverages, Baby Food, Raw and Roasted Coffee and Cocoa, Fresh and Frozen Fruit, Spices	Ochratoxin A	Method No 02.191 using immunoaffinity column clean-up and HPLC fluorescence	A
	Fat	Method No 09.021 (using acid hydrolysis for high carbohydrate foods [modified Werner Schmidt])	A
	Almond protein	Method FOD/SOP/75.048 using R-Biopharm ELISA kit	A
	Hazelnut protein	Method No 75.049 using R-Biopharm ELISA kit	A
	<b>Preservatives:</b> Benzoic Acid Sorbic Acid	Method No 50.002 using HPLC	A
	<b>Sugars:</b> Fructose Glucose Lactose Maltose Sucrose	Method No 75.005 using HPAE/PAD	A
	<b>Artificial sweeteners:</b> Aspartame Acesulfame K Saccharin	Method 75.008 using extraction and clean-up followed by reverse phase HPLC with UV detection	A



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FOOD (cont'd)  Food and Food products (specified where required) (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods:	
	<b>Identification of synthetic colouring matter:</b> Allura Red Amaranth Black PN Brilliant Blue FCF Carmoisine Chocolate Brown HT Erythrosine BS Green S Indigo Carmine Patent Blue V Ponceau 4R Quinoline Yellow Red 2G Sunset Yellow FCF Tartrazine	Method Nos 07.910 and 07.920 (using TLC)	A
	<b>Determination of artificial colours:</b> Ponceau 4R Sunset yellow Tartrazine	Method No 75.034 using HPLC/UV	A
	<b>Determination of artificial colours:</b> Sudan I Sudan II Sudan III Sudan IV	Method FOD/SOP/ 75.042 using solvent extraction using HPLC with UV detection	A
	Moisture	Method No 25.070 using Gravimetry	A
<b>Preservatives:</b> Benzoic acid Sorbic acid	Method No 75.010 using HPLC/UV	A	
Sulphur dioxide	Method No 50.651 using the Shipton method Method No 50.650 (Qualitative) using the Parkes method	A	



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FOOD (cont'd)	<u>Chemical Tests (cont'd)</u>	Documented In-House Methods:	
Food and Food products (specified where required) (cont'd)	Carbohydrate Energy Protein Salt Sugars	Method SOP/FOD/004 by calculation in accordance with the Food Information (England) Regulations 2014	A
	Meat/Fish content	Method No 91.125 by calculation In accordance with the Meat Products (England) Regulations 2003 <sup>7</sup>	A
	Connective tissue	Method No 20.421 by calculation	A
FOODS AND FEEDING STUFFS PRODUCTS containing milk or soya,	Screening for melamine	Method No 75.052 using SPE/HPLC with UV detection	A



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<b>FORENSIC TESTING</b>			
	<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	A, C, D, E
BODY FLUIDS and TISSUES	<u>Forensic Analysis</u>	Documented In-House Methods:	
Any Material	Recovery and preparation for subsequent DNA analysis or for contingency purposes of the following from searched materials: - Cellular material	Method DNA/SOP/002, DNA/SOP/003, DNA/SOP/004 & DNA/SOP/78.104 using: - swabs and swabbing - mini-taping	C,D
TOXICOLOGY	<u>Forensic Analysis/ Medical and Legal Analysis</u>		
Blood	Presumptive Screening for the presence of drugs of abuse (cut-off limit): - Acetaminophen (paracetamol) (1mg/l)	Method TOX/SOP/80.002 using: - GC-MS-NPD	A
Blood	Presumptive Screening for the presence of drugs of abuse (cut-off limit): - Diazepam (0.01mg/l)	Methods TOX/SOP/80.003 using: - LC-MSMS	A
Blood	Detection and Quantitation of the following (cut-off limit): Alcohol (10mg/100ml)	Method TOX/SOP/80.001 using: - headspace GC-FID	A
Blood	Presumptive Screening for the presence of carbon monoxide (5-15%)	Method TOX/SOP/80.004 using: - UV spectrophotometer	A



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TOXICOLOGY (cont'd)  Blood (Preserved, Unpreserved)	<u>Forensic Analysis/ Medical and Legal Analysis</u> (cont'd)  4. Quantitative analysis of the following drugs (concentration range):  - Amitriptyline (0.032-20 mg/L) - Carbamazepine (0.5-20 mg/L) - Citalopram (0.025-4 mg/L) - Codeine (0.08-8 mg/L) - Diazepam (0.048-8 mg/L) - Dihydrocodeine (0.032-8 mg/L) - Fluoxetine (0.013-8 mg/L) - Lamotrigine (0.2-20 mg/L) - Methadone (0.032-8 mg/L) - Mirtazapine (0.025-4 mg/L) - Nordiazepam (0.05-8 mg/L) - Nortriptyline (0.032-20 mg/L) - Olanzapine (0.016-4 mg/L) - Paracetamol (5.0-80 mg/L) - Sertraline (0.04-4 mg/L) - Tramadol (0.032-8 mg/L) - Valproic acid (2-160 mg/L) - Venlafaxine (0.08-20 mg/L) - Zopiclone (0.025-4 mg/L)	Documented In-House Method TOX/SOP/80.007 using:  - Liquid chromatography tandem mass spectrometry (LC-MS/MS)	A







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TOXICOLOGY (cont'd)  Blood (Preserved)	<u>Forensic Analysis</u> (cont'd)  <b>Quantitative analysis of drugs of abuse(concentration range):</b> Amphetamine (60-2400µg/L) Benzoyllecgonine (12.5-500µg/L) Clonazepam (12.5-500µ/L) Cocaine (2.5-100µg/L) Diazepam (135-5400µg/L) Flunitrazepam (75-3000µg/L) Ketamine (5-200µg/L) Lorazepam (25-1000µ/L) Methadone (125-5000µg/L) Methylamphetamine (2.5-100µg/L) Methylenedioxymethamphetamine – MDMA (2.5-100µg/L) Morphine (20-800µg/L) Oxazepam (75-3000µg/L) Temazepam (250-10,000µg/L)	Method TOX/SOP/80.011 using: - Protein Precipitation - LC-MSMS	A
DIGITAL DEVICES AND DATA  Closed circuit CCTV  CCTV Systems	Recovery of CCTV footage from digital CCTV systems	Documented In-house method IMG-SOP-015 using manual extraction of files using CCTV system, copying via analogue or digital output	E
Digital Video including CCTV footage - Hard disk drives - Solid state drives - Memory cards - USB flash drives - Compact discs - Digital versatile discs	Production of digital stills ( <i>viewing and presentation purposes/Comparison Purposes</i> )	Documented In-house method IMG-SOP-008 using: - Proprietary software - SiraView - GOM - MW Snap	E



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DIGITAL DEVICES AND DATA (cont'd)	<u>Forensic Analysis</u> (cont'd)		
Digital Video including CCTV footage <ul style="list-style-type: none"> <li>- Hard disk drives</li> <li>- Solid state drives</li> <li>- Memory cards</li> <li>- USB flash drives</li> <li>- Compact discs</li> <li>- Digital versatile discs</li> </ul>	Conversion of digital CCTV video (viewing and presentation/comparison purposes)	Documented In-house method (IMG-SOP-009) using: <ul style="list-style-type: none"> <li>- Proprietary software</li> <li>- AVID</li> <li>- SiraView</li> <li>- GOM</li> <li>- SnagIt</li> <li>- Wondershare</li> </ul>	E
Computers			
Computers and digital storage devices <ul style="list-style-type: none"> <li>- Hard disk drives</li> <li>- Solid state drives</li> <li>- Memory cards</li> <li>- USB flash drives</li> </ul>	Physical capture and preservation of data	Documented in-house method(s) using: <ul style="list-style-type: none"> <li>- EnCase</li> <li>- FTK Imager</li> <li>- MacQuisition</li> <li>- NCFS Software Write-block</li> </ul>	E
Mobile phones			
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> <li>- Apple iOS</li> <li>- Google Android</li> <li>- Non-smartphone proprietary systems</li> <li>- Microsoft Phone</li> <li>- RIM BlackBerry OS</li> </ul>	Logical capture and preservation of data	Documented in-house method(s) (PEU-SOP-012) using: <ul style="list-style-type: none"> <li>- XRY</li> <li>- UFED 4PC</li> <li>- Manual examination</li> </ul>	E
Mobile phone handsets and tablets associated with the following operating systems: <ul style="list-style-type: none"> <li>- Apple iOS</li> </ul>	Logical capture and preservation of data	Documented in-house method(s) (PEU-SOP-012)	E



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DIGITAL DEVICES AND DATA (cont'd)	<u>Forensic Analysis</u> (cont'd)		
Mobile phone handsets and tablets associated with the following operating systems: - Apple iOS - Google Android - Non-smartphone proprietary systems - Microsoft Phone - RIM BlackBerry OS	Processing of data	Documented in-house method(s) (PEU-SOP-012) using: - XRY - XAMN - UFED Physical Analyzer	E
(U)SIM cards	Logical capture and preservation of data	Documented in-house method(s) (PEU-SOP-012) using: - XRY - XAMN	E
	Processing of data	Documented in-house method(s) (PEU-SOP-012) using: - XRY - XAMN	E
Memory cards associated with mobile phone handsets and tablets	Physical capture and preservation of data	Documented in-house method(s) (PEU-SOP-012) using: - XRY	E
	Processing of data	Documented in-house method(s) (PEU-SOP-012) using: - XRY - XAMN	E



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DRUGS (and materials suspected of containing drugs)	<u>Forensic Analysis</u> (cont'd)  Identification of Cannabis, cannabis resin and cannabis products	Documented in house method DRU/SOP/79.001 using - microscopy - TLC - Duquenois Levine Colour test	A
	Presumptive Screening tests for the presence of - Amphetamine - MDMA	Documented in house method DRU/SOP/001 using spot tests: - Marquis colour test	A
	- Cocaine - Ketamine	- Cobalt Thiocyanate colour test	A
	- Heroin	- Modified Cobalt Thiocyanate test (Scott colour test)	A
	Qualitative Identification of controlled drugs: - Cocaine - Mephedrone - Heroin - MDMA - Ketamine	Documented in house method DRU/SOP/79.008) using - GC-MS	A
	Qualitative Identification of controlled drugs: - Cocaine - Mephedrone - Heroin - Ketamine	Documented in house method DRU/SOP/005 using FTIR	A
Quantification of - Cocaine	Documented in house method DRU/SOP/79.009 using - HPLC	A	



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<p><b>MARKS AND IMPRESSIONS</b></p> <p>Fingermarks Any material which is capable of retaining friction ridge marks</p>	<p><u>Forensic Analysis</u></p> <p>Enhancement of fingermarks</p>	<p>Documented In-House Methods using chemical enhancement and lighting techniques:</p> <ul style="list-style-type: none"> <li>- Acid Treatments: Acid Black 1, Acid Violet 17, Acid Yellow 7 CTU/SOP/78.013</li> <li>- Cyanoacrylate (CNA) Fuming CTU/SOP/78.008</li> <li>- Basic Yellow 40 (BY40) CTU/SOP/78.008</li> <li>- Basic Red 14 (BY14) CTU/SOP/78.008</li> <li>- Basic Red 2 (BR2) CTU/SOP/78.008</li> <li>- 1,8-Diazafluoren-9-one (DFO) CTU/SOP/78.006</li> <li>- Multi Metal Deposition CTU/SOP/78.105</li> <li>- Ninhydrin CTU/SOP/78.005</li> <li>- Physical Developer CTU/SOP/78.007</li> <li>- Powder suspensions CTU/SOP/78.012</li> <li>- Powdering Techniques: white and black magnetic CTU/SOP/78.008</li> <li>- Protein Staining CTU/SOP/78.013</li> <li>- Solvent Black 3 Treatment CTU/SOP/78.014</li> <li>- White Light and Filtered Sources CTU/SOP/78.010</li> <li>- High energy Light sources CTU/SOP/78.009</li> </ul>	<p>A</p>



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MARKS AND IMPRESSIONS (cont'd)	<u>Forensic Analysis</u> (cont'd)		
Fingermarks Any material which is capable of retaining friction ridge marks (cont'd)	Enhancement of fingermarks (cont'd)	Documented In-House Methods for imaging / digital capture CTU/SOP/92.606	A
Developed fingerprint marks	Determination of the presence of friction ridge characteristics for the purpose of subsequent comparison	Documented In-House methods using visual examination, low power microscopy CTU/SOP/92.606	A
Fingermark and palm mark friction ridge detail	Visual analysis, comparison and evaluation of recovered friction ridge detail with finger, thumb and palm from: - Known ink TENPRINTS - Known electronic TENPRINTS	Documented In-House methods using visual examination, low power magnification, comparators, dimensional measurements and reference databases.	F
	<u>Opinion and Interpretation</u> The evaluation of features between Fingermark and palm mark friction ridge detail	Documented In-House methods using - Personal experience - database	F



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<b>TOYS AND TOY PACKAGING TESTING</b>			
TOYS and TOY PACKAGING	<u>Mechanical Tests</u>	BS EN 71-1:2014 (documented in-house methods based on the tests specified in the standard to assess compliance with the relevant clauses below)	
	Tension test - general	Method PDT/SOP/002 (4.6, 4.11, 4.14.2, 4.18, 4.22, 4.23.2, 5.1, 5.3, 5.10, 5.12, 5.13)	A
	Sharpness of edges	Method PDT/SOP/ 23.974 (4.5, 4.7, 4.9, 4.10.2, 4.14.2, 4.15.1.3, 5.1)	A
	Kinetic energy, projectile length, tip radius	Method PDT/SOP/ 23.975 (4.17)	A
	Thickness of plastic sheetings/bags	Method PDT/SOP/ 23.976 (4.3,5.3, 6)	A
	Opening perimeter of bags	Method PDT/SOP/ 23.977 (4.4, 6)	A
	Drop test	Method No 23.978 (4.5, 4.10.2, 4.14.2, 4.22, 4.23.2, 5.1, 5.10, 5.12, 5.13)	A
	Impact test	Method No 23.979 (4.5, 4.6, 4.10.2, 4.14.2, 4.22, 4.23.2, 5.1, 5.10, 5.12, 5.13)	A
	Compression test	Method No 23.980 (4.6, 4.14.2, 4.22, 4.23.2, 5.1, 5.10, 5.12, 5.13)	A
	Torque test	Method No 23.981 (4.6, 4.11, 4.14.2, 4.18, 4.22, 4.23.2, 5.1, 5.10, 5.12, 5.13)	A
	Mass loading (folding/sliding mechanisms)	Method No 23.984 (4.10.1)	A
	Flexibility of wires	Method No 23.985 (4.8)	A
Expanding materials	Method PDT/SOP/ 23.986 (4.6)	A	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
TOYS and TOY PACKAGING (cont'd)	<u>Mechanical Tests</u> (cont'd)	BS EN 71-1:2014 (documented in-house methods based on the tests specified in the standard to assess compliance with the relevant clauses below)	A
	Accessibility	Method PDT/SOP/ 23.987 (4.5, 4.7, 4.8, 4.10.2, 4.10.4, 4.15.1.3, 4.21, 5.1, 5.7)	A
	Leakage of liquid filled toys	Method No 23.988 (5.5)	A
	Stability of heavy toys	Method PDT/SOP/ 23.989 (4.16)	A
	Stability of toys intended to bear the mass of a child	Method No 23.990 (4.15.1. 4, 4.15.4.3, 4.15.4)	A
	Static strength	Method No 23.991 (4.15.1.3, 4.15.1.5, 4.15.3, 4.15.4, 4.15.5.3)	A
	Tension test-seams and materials	Method PDT/SOP/ 23.992 (4.23.2.5.2)	A
	Geometric form	Method No 23.993 (5.8,5.11)	A
	Small size and detachable components	Method No 23.994 (4.6, 4.11, 4.18,4.23.2 5.1, 5.2)	A
	Sharpness of accessible points	Method No 23.995 (4.5,4.8, 4.9, 4.10.2, 4.14.2, 4.15.1.3, 5.1)	A
	Tip over test	Method PDT/SOP/ 23.997 4.10.2, 4.22, 5.1, 5.10, 5.12)	A
	Soaking test	Method No 23.998 (4.11, 4.23.2, 5.1, 5.10, 5.12)	A
	Assessment of cords on toys	Method No 23.970-5 (4.4, 4.13, 5.4)	A
	Assessment of toys which a child can enter	Method No 23.812 (4.14.1a, 4.14.1b)	A





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TOYS and TOY PACKAGING (cont'd)	<u>Mechanical Tests</u> (cont'd)	BS EN 71-1:2014 (documented in-house methods based on the tests specified in the standard to assess compliance with the relevant clauses below)	A
	Assessment of hinged masses	Method No 23.816 (4.10.3)	A
	Assessment of springs	Method No 23.815 (4.10.4)	A
	Assessment of dimensional clearance	Method No 23.816 (4.10.1c, 4.10.1d, 4.10.2, 4.15.1.6, 4.15.5.c, 4.15.54d)	A
	Assessment of masks and helmets	Method No 23.817 (4.14.2)	A
	Tension test – Magnets	Method No 23.818 (4.23.2)	A
	Determination of magnetic flux	Method No 23.819 (4.23.2)	A
	Tension test-protective components	Method No PDT/SOP/002 (4.9, 4.17.1)	A
	Small balls	Method 23.821 (4.22, 5.10, 5.13)	A
	Play figures	Method PDT/SOP/23.822 (5.11)	A
	Hemispheric-shaped toys	Method 23.823 (5.12)	A
	Suction Cups	Method 23.824 (5.13)	A
	Magnets	Method 23.818 & 23.819 (4.23)	A
	<u>Flammability</u>	S EN 71-2:2011+A1:2014	
	Toys to be worn on the head	Method No 23.067 (Clause 4.2) Method No 23.068 (Clause 4.2)	A
	Toy disguise costumes	Method No 23.066 (Clause 4.3)	A
	Toys intended to be entered	Method No 23.066 (Clause 4.4)	A
Soft filled toys	Method No 23.107 (Clause 4.5.2)	A	



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<b>MICROBIOLOGICAL TESTING</b>			
FOOD and FOOD PRODUCTS (specified where required)	<u>Microbiological Tests</u>  Detection of:  <i>Salmonella</i> spp (excluding <i>Salmonella typhi</i> or <i>para typhi</i> )	1) Official Control Sample Method MIC/SOP/76.010 based on BS EN ISO 6579-1:2017  2) Routine Sample Method MIC/SOP/76.010 using single selective enrichment broth	A  A
	<i>Listeria monocytogenes</i> and other <i>Listeria</i> spp	Method MIC/SOP/76.007 based on BS EN ISO 11290-1: 2017	A
Raw and cooked meat and meat products, ice cream and fresh fruit	<i>E.coli</i> O157 (presumptive)	Methods MIC/SOP/08.159 and MIC/SOP/08.941. Merck Singlepath Test (AOAC Performance Tested Method 010407) for screening and an immunomagnetic separation procedure on positives	A
	Enumeration of:  Coagulase positive Staphylococci including <i>Staphylococcus aureus</i>	1) Method MIC/SOP/ 08.182 based on BS EN ISO 6888-1:1999 + A2:2018  2) Method MIC/SOP/ 76.029 using bioMérieux TEMPO automated MPN system	A  A
	<i>Bacillus cereus</i>	Method MIC/SOP/08.190 based on BS EN ISO 7932:2004	A
	<i>Clostridium perfringens</i>	Method MIC/SOP/08.200 based on BS EN ISO 7937:2004	A



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FOOD and FOOD PRODUCTS (specified where required) (cont'd)  Raw and cooked meat and meat products, ice cream and fresh fruit (cont'd)	<u>Microbiological Tests</u> (cont'd)		
	Enumeration of: (cont'd)		
	Enterobacteriaceae	1) Method MIC/SOP/08.134 based on BS ISO 21528-2:2017	A
		2) Method MIC/SOP/76.029 using bioMérieux TEMPO automated MPN system	A
	$\beta$ -glucuronidase positive <i>Eschericia coli</i>	Method MIC/SOP/08.135 based on BS ISO 16649-2:2001	A
	<i>Eschericia coli</i>	Method MIC/SOP/76.029 using bioMérieux TEMPO automated MPN system	A
	<i>Listeria monocytogenes</i> and other <i>Listeria</i> species	Method MIC/SOP/76.024 based on BS EN ISO 11290-2: 2017	A
	Aerobic Colony Count 30°C	1) Method MIC/SOP/08.145 based on BS EN ISO 4833-1:2013	A
		2) Method MIC/SOP/76.029 using bioMérieux TEMPO automated MPN system	A
	Yeasts and Moulds	1) Method MIC/SOP/76.025 BS ISO 21527-2:2008 (Water Activity $\leq$ 0.95)	A
	2) Method MIC/SOP/ 76.026 BS ISO 21527-1:2008 (Water Activity $>$ 0.95)	A	



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<p>WATERS:</p> <p>DRINKING, PROCESS and RECREATIONAL covering tap (hot and cold), bottled waters, manmade and natural recreational waters, (including beach bathing waters)</p> <p>Portable Waters and Swimming Pool Waters</p>	<p><u>Microbiological Tests</u></p> <p>Enumeration of:</p> <p>Total coliforms and <i>Escherichia coli</i></p> <p>Aerobic Colony Count at 22°C and 37°C</p> <p><i>Pseudomonas aeruginosa</i></p>	<p>Documented In-House Methods:</p> <p>Method MIC/SOP/76.020 using IDEXX Quanti-tray (MPN) method - Colilert. Based on The Microbiology of Drinking Water 2016: Part 4</p> <p>Method MIC/SOP/76.004 based on Microbiology of Drinking Water 2012: Part 7</p> <p>Method MIC/SOP/003 based on Microbiology of Drinking Water 2015 – Part 8</p>	<p>A</p> <p>A</p> <p>A</p>
END			