

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>1325</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Aberdeen City Council</h3> <p>Issue No: 058 Issue date: 10 January 2025</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
ANIMAL FEEDINGSTUFFS	<p><u>Chemical Tests</u> *Indicates analysis performed under Food Standards Scotland and Food Standards Agency designation as Official Laboratory in accordance with retained Regulation (EU) 2017/625</p> <p>*Contaminants & Composition</p> <p>*Aflatoxins - B1, B2, G1 and G2 and total aflatoxins</p> <p>*Ash</p> <p>*Lead and Cadmium</p> <p>*Mercury</p> <p>*Moisture</p> <p>*Nitrogen</p> <p>*Oil</p>	<p>Documented Methods issued by the Association of Public Analysts Validation of Enforcement Methods Service (VEMS) in the series V0000 and Documented</p> <p>Development and Modification of Methods for the analysis of foods using Generic In-House Procedure i3000 for the techniques GC, HPLC, AAS, ICP-OES, UV/Visible Spectrophotometry, Microscopy and Classical Techniques</p> <p>i2308 using HPLC</p> <p>i0003</p> <p>i2560 using ICP/OES</p> <p>i0152 using Cold Vapour AAS</p> <p>i0007 oven drying</p> <p>V0013 using Digestion Block with Titanium Catalyst and Hydrogen Peroxide</p> <p>i0215 using Gravimetry</p>



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ANIMAL FEEDING STUFFS BREAD AND BREAD PRODUCTS	<u>Chemical Tests (cont'd)</u> *Indicates analysis performed under Food Standards Scotland and Food Standards Agency designation as Official Laboratory in accordance with retained Regulation (EU) 2017/625 *Crude fibre	Documented Methods issued by the Association of Public Analysts Validation of Enforcement Methods Service (VEMS) in the series V0000 and Documented i2062 using Fibretec system
ANIMAL FEEDINGSTUFFS FOOD and FOOD PRODUCTS	*Vitamin A and E	i2320 using HPLC (general and statutory method)
FOOD and FOOD PRODUCTS	<u>Chemical Tests</u> *Indicates analysis performed under Food Standards Scotland designation as Official Laboratory in accordance with retained Regulation (EU) 2017/625	Documented Methods issued by the Association of Public Analysts Validation of Enforcement Methods Service (VEMS) in the series V0000 and Documented
BEVERAGES - ALCOHOLIC		
Spirits	*Alcoholic Strength *Congeners	i0401 using Obscuration using a Pyknometer V0161 using Gas Chromatography (GC)
BEVERAGES - NON-ALCOHOLIC		
Fruit Juice and Soft Drinks	*Acesulfame-K, Aspartame, Benzoic Acid, Caffeine, Saccharin, Sorbic Acid *Water Soluble Synthetic Colour	i2317 using HPLC i2309 using HPLC
CEREAL and BAKERY PRODUCTS		
Bread	*Moisture	V0222 using Gravimetry
DAIRY PRODUCTS		
Cream	*Fat - Routine	V0216 using Gerber Method
Milk	*Fat	V0008 using Gerber method



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FOOD and FOOD PRODUCTS (cont'd)	Chemical Tests (cont'd) *Indicates analysis performed under Food Standards Scotland and Food Standards Agency designation as Official Laboratory in accordance with retained Regulation (EU) 2017/625	Documented Methods issued by the Association of Public Analysts Validation of Enforcement Methods Service (VEMS) in the series V0000 and Documented
Milk (cont'd)	*Freezing Point	i0307 using Thermistor Cryoscope (Routine Method)
	*Titratable Acidity	V0131 using titrimetry
Ice Creams	*Fat	i0216 using Gerber Method
FISH AND FISH PRODUCTS	*Histamine	i2324 using HPLC
	*Total Volatile Basic Nitrogen	i0065 using Steam Distillation followed by Titrimetry
Prawns - Frozen, Cooked and Peeled	*Ice Glaze	V0033 using gravimetry
Soft Fruit and Vegetables	*Drained Weight	V0052 using gravimetry
Fruit and Vegetables	*Soluble Solids	V0247 using refractometry
HONEY and HONEY PRODUCTS	*Diastase activity	i0075
	*Electrical conductivity	i0076 using EU reference method, Method 12
	*Moisture	V0265
	*Hydroxymethylfurfural	i2310 using HPLC
MEAT, GAME and POULTRY including processed products	*L(-)Hydroxyproline	V0092
	*Identification of Beef, Pork, Lamb and Poultry in cooked meat and Meat Products	i0083 using Neogen Cooked Meat ELISA immunoassay kit
	*Nitrite	i0101 using Spectrophotometry
	*Total Volatile Nitrogen in Flesh Foods	V0157



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FOOD and FOOD PRODUCTS (cont'd)	Chemical Tests (cont'd) *Indicates analysis performed under Food Standards Scotland and Food Standards Agency designation as Official Laboratory in accordance with retained Regulation (EU) 2017/625	Documented Methods issued by the Association of Public Analysts Validation of Enforcement Methods Service (VEMS) in the series V0000 and Documented
OILS and FATS	*Free Fatty Acids - *n-Butyric Acid *Peroxide Value	V0010 i2101 using GC V0009
FOODS, General	*Additives, Colourings, Preservatives and Related Contaminants & Composition *Acrylamide *Aflatoxins B ₁ B ₂ G ₁ G ₂ and total aflatoxins *Ash *Benzoic Acid and Sorbic Acid *Calculation of Energy Value *Chloride (Salt as Sodium Chloride by Calculation) *Ethanol *Fat	Development and Modification of Methods for the analysis of foods using Generic In-House Procedure i3000 for the techniques GC, HPLC, AAS, ICP-OES, UV/Visible Spectrophotometry, Microscopy and Classical Techniques i2172 using GC-MS i2308 using HPLC i0003 i2302 using HPLC V0381 i2303 using Ion Chromatography i2103 using GC 1) i0014 using Acid Digestion (Werner-Schmid Method) 2) i0214 using Alkaline Hydrolysis 3) i0215 using Acid Digestion and Soxhlet Extraction 4) i0217 using Soxhlet Extraction



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FOOD and FOOD PRODUCTS (cont'd)	<p><u>Chemical Tests (cont'd)</u> *Indicates analysis performed under Food Standards Scotland and Food Standards Agency designation as Official Laboratory in accordance with retained Regulation (EU) 2017/625</p> <p>*Glucose, Fructose and Sucrose in Water Soluble Foods</p> <p>*Herbs, Spices and Vegetable Materials</p> <p>*Ingredients</p> <p>*Mercury</p> <p>*Moisture</p> <p>*Monosodium Glutamate</p> <p>*Nitrate and Nitrite</p> <p>*Nitrogen</p> <p>*pH</p> <p>*Total Sugars, Fructose, Glucose, Sucrose, Maltose and Lactose</p> <p>*Sodium (salt by calculation)</p> <p>*Sulphur dioxide</p> <p>*Synthetic Colours in Water Soluble Foods</p> <p>*Tin</p> <p>Water activity</p>	<p>Documented Methods issued by the Association of Public Analysts Validation of Enforcement Methods Service (VEMS) in the series V0000 and Documented</p> <p>i2311 using HPLC</p> <p>V0224 by Microscopy</p> <p>i0005 using Gravimetry</p> <p>i0152 using Cold Vapour AAS</p> <p>1) i0007 oven drying 2) i0008 drying on sand</p> <p>i2316 using HPLC</p> <p>i2307 using HPLC</p> <p>V0013 by Digestion Block using Titanium Catalyst and Hydrogen Peroxide</p> <p>V0282</p> <p>i2318 using HPLC</p> <p>i2540 using ICP-OES</p> <p>i2001</p> <p>i2309 using HPLC</p> <p>i2530 using ICP-OES</p> <p>i0085</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOOD and FOOD PRODUCTS (cont'd)	<u>Microbiology Tests</u> *Indicates analysis performed under Food Standards Scotland and Food Standards Agency designation as Official Laboratory in accordance with retained Regulation (EU) 2017/625	Documented In-House Methods in the series PA/IHT/0000
FOODS, General	Detection of: * <i>Listeria monocytogenes</i> and <i>Listeria</i> species * <i>Salmonella</i> species	i6513 using selective enrichment technique based on ISO 11290-1:2017 i6508 using selective enrichment technique based on ISO 6579-1:2017
WATERS	<u>Chemical and Physical Tests</u>	Documented In-House Methods in the series I0000 as listed below
Surface and Ground waters	Metals Antimony Arsenic Barium Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Phosphorus Potassium Selenium Sodium Tin Titanium Vanadium Zinc Total Hardness by Calculation	i4524 using Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)



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WATERS (cont'd)	<u>Chemical and Physical Tests</u> (cont'd)	Documented In-House Methods in the series I0000 as listed below
Surface and Ground waters (cont'd)	Ammonium	i4520 using Hach "sealed tube" Spectrophotometry
	Chloride Nitrate Sulphate Phosphate	i4102 using Ion Chromatography
	Nitrite	i4104 by Spectrophotometry
	pH	i4203 using pH Meter
Ground Water and Landfill Leachates	Suspended Solids Total Organic Carbon (TOC)	i4512 using gravimetry i4521 using Hach "sealed tube" Spectrophotometry
Landfill Leachates	Antimony Arsenic Barium Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Phosphorus Potassium Selenium Sodium Tin Titanium Vanadium Zinc Total Hardness by Calculation	i4524 using Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)



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WATERS (cont'd)	<u>Chemical Tests</u>	Methodology meeting the requirements of The Natural Mineral Water, Spring Water and Bottled Drinking Water Regulations 2007
Landfill Leachates (cont'd)	Ammonium	i4520 using Hach "sealed tube" Spectrophotometry
	Chloride Nitrate Sulphate	i4102 using Ion Chromatography
	Suspended Solids	i4512 using gravimetry
	Nitrite	i4104 by Spectrophotometry
	pH	i4203 using pH Meter
Surface Water, Ground Water and Landfill Leachates	COD	i4519 using Hach "sealed tube" Spectrophotometry
Drinking Water (non-regulatory)	Metals: Aluminium Boron Cadmium Calcium Chromium Copper Iron Lead Magnesium Managnese Nickel Potassium Sodium Zinc Total Hardness by Calculation	i4523 Metals by ICP-OES
	Ammonium	i4520 using Hach "sealed tube" Spectrophotometry
	Chloride Nitrate Phosphate Sulphate	i4102 using Ion Chromatography



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WATERS (cont'd)	<u>Chemical Tests</u>	Methodology meeting the requirements of The Natural Mineral Water, Spring Water and Bottled Drinking Water Regulations 2007
Drinking Water (non-regulatory) (cont'd)	Colour	i4208 using Spectrophotometry
	Conductivity	i4204 using conductivity meter
	Nitrite	i4104 using Spectrophotometry
	pH	i4203 using pH meter
	Turbidity	i4205 by Nephelometry
Bottled Water	pH	i4203 using pH meter
Swimming Pool Water	pH	i4203 using pH meter
	Total, Combined and Free Chlorine	i4219 using titrimetry
WATERS	<u>Microbiology Tests</u>	Documented In house methods based on/incorporating published procedures in The Microbiology of Drinking Water (MDW)
WATERS Private water supplies Drinking waters (including Public water supplies)	Examination for the purpose of enforcement of The Private Water Supplies (Scotland) Regulations 2006 (SI 2006/209), The Water Intended for Human Consumption (Private Supplies) (Scotland) Regulation 2017 and The Public Water Supplies (Scotland) Regulation 2014	Methodology meeting the requirements of The Drinking Water Testing Specification
	Enumeration: Heterotrophic Colony Count	i7001 using pour plate technique based on MDW (2020) Part 7A
	Coliforms (confirmed) <i>Escherichia coli</i> (confirmed)	i7404 using Colilert based on MDW (2016) Part 4D
	Sulphite-Reducing Clostridia and <i>Clostridium perfringens</i>	i7602 using membrane filtration based on MDW (2021) Part 6



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<p>WATERS (cont'd)</p> <p>Private water supplies Drinking waters (including Public water supplies) – (cont'd)</p>	<p>Examination for the purpose of enforcement of The Private Water Supplies (Scotland) Regulations 2006 (SI 2006/209), The Water Intended for Human Consumption (Private Supplies) (Scotland) Regulation 2017 and The Public Water Supplies (Scotland) Regulation 2014</p> <p>Enumeration:</p> <p>Enterococci</p>	<p>Methodology meeting the requirements of The Drinking Water Testing Specification</p> <p>i7604 using membrane filtration based on MDW (2012) Part 5A</p>
<p>WATERS (Non-regulatory)</p>	<p><u>Microbiology Tests</u></p> <p>Enumeration:</p>	<p>Documented In house methods based on/incorporating published procedures in The Microbiology of Drinking Water (MDW)</p>
<p>Raw, drinking and recreational waters</p>	<p>Heterotrophic Colony Count</p>	<p>i7001 using pour plate technique based on MDW (2020) Part 7A</p>
<p>Raw, drinking and recreational waters</p>	<p>Total Coliforms and <i>Escherichia coli</i></p>	<p>i7404 using Colilert based on MDW (2016) Part 4D</p>
<p>Raw, drinking and recreational waters, bottled spring and mineral water (still and sparkling)</p>	<p>Total Coliforms and <i>Escherichia coli</i></p>	<p>i7401 using membrane filtration based on MDW (2016) Part 4A</p>
<p>Raw, drinking and recreational waters, bottled spring and mineral water (still and sparkling)</p>	<p><i>Pseudomonas aeruginosa</i></p>	<p>i7601 using membrane filtration based on MDW (2015) Part 8</p>
<p>Raw, drinking and recreational waters, bottled spring and mineral water (still and sparkling)</p>	<p>Sulphite-Reducing Clostridia and <i>Clostridium perfringens</i></p>	<p>i7602 using membrane filtration based on MDW (2021) Part 6</p>
<p>Raw, drinking and recreational waters, bottled spring and mineral water (still and sparkling)</p>	<p>Enterococci</p>	<p>i7604 using membrane filtration based on MDW (2012) Part 5A</p>



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ATMOSPHERIC POLLUTANTS Air	<u>Chemical Tests</u> Nitrogen Dioxide	Documented In-House Methods i8001 using Spectrophotometry
END		