


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

| | | |
|---|--|--|
|  <p>1639 Accredited to ISO/IEC 17025:2017</p> | <p align="center">Tayside Scientific Services</p> <p align="center">Issue No: 066 Issue date: 19 December 2025</p> | |
| | <p>James Lindsay Place Dundee Technopole Dundee DD1 5JJ</p> | <p>Contact: Mr M Kierszten Tel: +44 (0)1382 307170 Fax: +44 (0)1382 202085 E-Mail: michael.kierszten@dundeecity.gov.uk Website: www.dundeecity.gov.uk</p> |
| <p align="center">Testing performed at the above address only</p> | | |

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></p> <p>* Indicates analysis performed under Food Standards Scotland designation as Official Laboratory in accordance with assimilated European law AEUL OCR 2017/625</p> <p>*Compositional Analysis, Additives, colourings, preservatives and related contaminants</p> <p>*Determination of Elements</p> <p>*Foreign Body identification</p> <p>*Compositional Analysis, Additives, colourings, preservatives and related contaminants</p> | <p>Documented In-House Methods identified by method number</p> <p>Development and modification of methods for analysis using Flexible Scope Procedure PFG 1 (HPLC, GC, GC-MS and UV spectroscopy)</p> <p>Development and modification of methods for analysis using Flexible Scope Procedure PFG 2 (AAS and ICP-OES)</p> <p>Development and modification of methods for analysis using Flexible Scope Procedure PFG 3 (Light Microscopy)</p> <p>Development and modification of methods for analysis using Flexible Scope Procedure PFG 4 (Gravimetric, titrimetric and other classical wet chemistry techniques)</p> |



1639
Accredited to
ISO/IEC 17025:2017

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

Tayside Scientific Services
Issue No: 066 Issue date: 19 December 2025

Testing performed at main address only

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|-------------------------------|--|---|
| ANIMAL FEEDINGSTUFFS (cont'd) | <p><u>Chemical Tests</u> (cont'd)</p> <p>*Indicates analysis performed under Food Standards Scotland designation as Official Laboratory in accordance with assimilated European law AEUL OCR 2017/625</p> <p>*Aflatoxin B1, B2, G1, G2 and Ochratoxin A</p> <p>*Deoxynivalenol</p> <p>*Zearalenone</p> <p>*Ash</p> <p>*Crude Fibre</p> <p>*Moisture</p> <p>*Oil (total)</p> <p>*Nitrogen and Protein (by calculation)</p> <p>*Nitrogen and Protein (by calculation)</p> <p>*Vitamins A and E</p> <p>*Cobalt</p> <p>*Copper</p> <p>*Iron</p> <p>*Manganese</p> <p>*Zinc</p> <p>*Cadmium</p> <p>*Lead</p> <p>*Arsenic</p> <p>*Selenium</p> | <p>Documented In-House Method identified by method number</p> <p>PF099 by HPLC fluorescence with Kobra Cell</p> <p>PF091 by immunoaffinity column separation and HPLC</p> <p>PF088 by immunoaffinity column separation and HPLC</p> <p>GA008 based on EC152/2009</p> <p>GA010 based on EC152/2009</p> <p>GA002 by oven drying based on EC152/2009</p> <p>GA004 based on EC152/2009</p> <p>PF082 using the Dumas Combustion method</p> <p>PF016 using Kjeldahl based on BS ISO 937:2023</p> <p>PF061 using High Performance Liquid Chromatography</p> <p>GA013 using Flame Atomic Absorption Spectrometry</p> <p>GA012 using Flame Atomic Absorption Spectroscopy</p> <p>GA014 using Hydride Generation Atomic Absorption Spectrometry</p> |



1639
Accredited to
ISO/IEC 17025:2017

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

Tayside Scientific Services
Issue No: 066 Issue date: 19 December 2025

Testing performed at main address only

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|--|--|
| FOODS | <u>Chemical Tests</u> (cont'd) *Indicates analysis performed under Food Standards Scotland designation as Official Laboratory in accordance with assimilated European law AEUL OCR 2017/625 | Methods documented in 'Analytical Methods Manual for VEMS' Association of Public Analysts and identified by method number or Documented In-House Methods identified by method number PFx |
| Bakery wares e.g. bread, toasted bread, crisp bread and biscuits, potato products e.g. potato chips and crisps | *Acrylamide | PF105 by GC-MS |
| DAIRY PRODUCTS | *Fat | PF092 by alkaline hydrolysis (Rose Gottlieb method) |
| Cream | *Acidity (titratable) | F/0251 by titration |
| | *Fat | F/0216 by Gerber technique |
| Milk, Liquid | *Acidity (titratable) | VEMS F/0131 |
| | *Antibiotics | PF070 using Delvo kit |
| | *Fat | F/0008 using Gerber technique |
| | *Freezing Point | PF008 using Thermistor Cryoscope |
| | *Total solids | PF057 using Gravimetry |
| FAT | *Butyric acid | F/0289 by gas chromatography |
| Food Products, FATS and OILS | *Peroxide value | F/0009 by titration |
| FATS and OILS | *Fatty acid profile | PF 051 GC/FID (analysis of fatty acids converted to fatty acid methyl esters) |
| Food Products, FATS and OILS | *Free fatty acids | F/0010 by titration |
| FISH - FRESH and FROZEN, FISH PRODUCTS and PROCESSED FISH | *Ash | PF012 by muffle furnace |



1639
Accredited to
ISO/IEC 17025:2017

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

Tayside Scientific Services
Issue No: 066 Issue date: 19 December 2025

Testing performed at main address only

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---|---|--|
| FOODS (cont'd) | <u>Chemical Tests</u> (cont'd) | Methods documented in 'Analytical Methods Manual for VEMS' Association of Public Analysts and identified by method number or Documented In-House Methods identified by method number PFx |
| FISH - FRESH and FROZEN, FISH PRODUCTS and PROCESSED FISH | *Indicates analysis performed under Food Standards Scotland designation as Official Laboratory in accordance with assimilated European law AEUL OCR 2017/625 *Fat *Moisture *Histamine | PF002 by oven drying and Soxhlet Extraction PF117 by HPLC based on ISO 19343:2017 |
| BREAD | *Propionic Acid | PF049 by Gas Chromatography (GC) |
| HONEY | *Hydroxymethyl furfural *Identification of Pollen Grains *Moisture | PF046 by HPLC PF045 by light microscopy F/0265 by refractometry |
| SPIRITS | *Apparent and Actual Alcohol *Congeners | 1) PF021 by Pycnometry and Obscuration (Reference Method) 2) PF019 by density meter and Obscuration (Primary Method) F/0161 by Gas Chromatography |
| MEAT - FRESH and FROZEN MEAT PRODUCTS and PROCESSED MEAT | *Ash *Fat and Moisture *Nitrogen and crude protein (by calculation) *Nitrogen and protein (by calculation) | PF012 by muffle furnace PF002 by oven drying and Soxhlet extraction PF082 by Dumas PF016 using Kjeldahl based on BS ISO 937:2023 |
| FLESH FOODS and MEAT PRODUCTS | *Total volatile nitrogen | F/0157 by Distillation followed by titration |



1639
Accredited to
ISO/IEC 17025:2017

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

Tayside Scientific Services
Issue No: 066 Issue date: 19 December 2025

Testing performed at main address only

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---------------------------|--|--|
| FOODS (cont'd) | <u>Chemical Tests</u> (cont'd) *Indicates analysis performed under Food Standards Scotland designation as Official Laboratory in accordance with assimilated European law AEUL OCR 2017/625 | Methods documented in 'Analytical Methods Manual for VEMS' Association of Public Analysts and identified by method number or Documented In-House Methods identified by method number PFx |
| MEAT and MEAT PRODUCTS | *Hydroxyproline | PF011 based on BS 4401:Part 11:1995 |
| FISH AND FISH PRODUCTS | *Calculation of apparent fish content | PF017 by calculation |
| SOFT DRINKS | *Acesulfame K Aspartame Benzoic acid Caffeine Saccharin Sorbic acid | PF023 by HPLC |
| SOYA SAUCE | *3-monochloropropane-1,2-diol | PF100 by gas Chromatography with Mass Spectroscopic detection (GC/MS) based on BS EN 14573:2004 |
| FOODS, General | *Compositional Analysis, Additives, colourings, preservatives and related contaminants | Development and modification of methods for analysis using Flexible Scope Procedure PFG 1 (HPLC, GC, GC-MS and UV spectroscopy) |
| | *Determination of Elements | Development and modification of methods for analysis using Flexible Scope Procedure PFG 2 (AAS and ICP-OES) |
| | *Foreign Body identification | Development and modification of methods for analysis using Flexible Scope Procedure PFG 3 (Light Microscopy) |
| | *Compositional Analysis, Additives, colourings, preservatives and related contaminants | Development and modification of methods for analysis using Flexible Scope Procedure PFG 4 (Gravimetric, titrimetric and other classical wet chemistry techniques) |



1639
Accredited to
ISO/IEC 17025:2017

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

Tayside Scientific Services
Issue No: 066 Issue date: 19 December 2025

Testing performed at main address only

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---|--|--|
| FOODS, General (cont'd) | <u>Chemical Tests</u> (cont'd) *Indicates analysis performed under Food Standards Scotland designation as Official Laboratory in accordance with assimilated European law AEUL OCR 2017/625 *Ash <input type="checkbox"/> *Moisture <input type="checkbox"/> *Arsenic, Total and inorganic *Calcium *Chloride, *Salt as Sodium Chloride (calculation), *Salt in Aqueous Phase (Calculation) *Dietary Fibre *Ethanol *Fat (total) *Aflatoxin B1, B2, G1, G2 and Ochratoxin A *Deoxynivalenol | Methods documented in 'Analytical Methods Manual for VEMS' Association of Public Analysts and identified by method number or Documented In-House Methods identified by method number PFx PF012 by gravimetry PF107 by Hydride Generation Atomic Absorption VEMS F/0183 PF078 using Ion Chromatography PF027 by enzymatic digestion and gravimetry PF058 by GC-FID PF005 by acid digestion/extraction PF099 by HPLC fluorescence with Kobra Cell PF091 by by immunoaffinity column separation and HPLC |
| FOODS, Water soluble (soft drinks, sugar confectionery) | *Synthetic Food Colour (Water soluble): Allura Red (E129) Amaranth (E123) Brilliant Blue (BFCF) Carmoisine (E122) Green S Patent Blue (E131) Ponceau 4R (E124) Quinoline Yellow FCF (E104) Red 2G (E128) Sunset yellow (E110) Tartrazine (E102) | PF087 by HPLC-DAD |



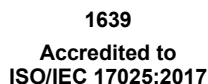
1639
Accredited to
ISO/IEC 17025:2017

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

Tayside Scientific Services
Issue No: 066 Issue date: 19 December 2025

Testing performed at main address only

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---|--|--|
| FOODS, General (cont'd) | <u>Chemical Tests</u> (cont'd) | Methods documented in 'Analytical Methods Manual for VEMS' Association of Public Analysts and identified by method number or Documented In-House Methods identified by method number PFx |
| FOODS, General | *Indicates analysis performed under Food Standards Scotland designation as Official Laboratory in accordance with assimilated European law AEUL OCR 2017/625 | |
| | *Zearalenone | PF088 by immunoaffinity column separation and HPLC |
| | *Allergens, Contaminants and Protein Species | PF069 - Flexible Scope method for performance verification and use of commercial ELISA test kits |
| | *Gluten | PF116 – by ELISA using the R-Biopharm RIDASCREEN R7001 and R7002 test kits |
| | *Nitrate and Nitrite | PF033 by HPLC |
| | *Nitrogen and Protein (by calculation) | PF082 using the Dumas Combustion method |
| | *Nitrogen and Protein | PF016 using Kjeldahl based on BS ISO 937:2023 |
| | *pH | PF065 based on VEMS F0282 |
| | *Sodium | PF052 by Flame Emission Spectrophotometry |
| | *Soluble Solids in food | PF 079 using refractometry |
| | *Sorbic acid | PF050 by HPLC |
| | *Sugars: (Total and Fructose, Galactose, Glucose, Lactose, Maltose, Sucrose) | PF022 by HPLC with Refractive Index detection |
| | *Sulphur Dioxide | PF060 using Gravimetric weighing |
| | *Cadmium and Lead | PF085 using ashing followed by ICP-OES |
| Foods - except baby foods, infant formulae and dietary foods intended for infants | *Tin | VEMS F/0134 using acid digestion followed by Flame AAS |



issued by

United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Tayside Scientific Services

Issue No: 066 Issue date: 19 December 2025

Testing performed at main address only

| | | |
|--|--|--|
| | | |
|--|--|--|



1639
Accredited to
ISO/IEC 17025:2017

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

Tayside Scientific Services
Issue No: 066 Issue date: 19 December 2025

Testing performed at main address only

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|-----------------------------|---|---|
| FOODS, General | <p><u>Microbiological Tests</u></p> <p>*Indicates analysis performed under Food Standards Scotland designation as Official Laboratory in accordance with assimilated European law AEUL OCR 2017/625</p> <p>Detection:</p> <p>*<i>Campylobacter</i> spp</p> <p>*<i>Escherichia coli</i> O157</p> <p>*<i>Listeria monocytogenes</i></p> <p>*<i>Salmonella</i> species</p> <p>*Shiga Toxin-Producing <i>Escherichia coli</i> (Presumptive)</p> <p>Enumeration:</p> <p>*<i>Listeria monocytogenes</i> and other <i>Listeria</i> spp</p> <p>*Yeasts and Moulds</p> | <p>Documented In-House Methods identified by method number PMFx based on/incorporating published procedures referenced by BS EN ISO Methods</p> <p>PMF025 based on ISO 10272-1:2017 + AMD 1:2023</p> <p>PMF014 based on BS EN ISO 16654:2001 + A2:2023</p> <p>PMF024 based on BS EN ISO 11290-1:2017</p> <p>PMF009 based on BS EN ISO 6579-1:2017 AMD 1 :2020</p> <p>PMF029 based on CEN ISO/TS 13136:2012 by Multiplex Real-Time PCR using Life Technologies extraction and PCR test kit and Agilent MX3005 analyser</p> <p>PMF021 based on BS EN ISO 11290-2:2017</p> <p>PMF027 based on ISO 21527Parts 1 & 2: 2008</p> |
| Ready-to-eat prepared foods | <p>*Aerobic Colony Count at 30°C</p> <p>*<i>Bacillus cereus</i></p> <p>*<i>Clostridium perfringens</i></p> | <p>PMF015 using Plate count agar at 30°C for 48 hours using spiral plating technique</p> <p>PMF011 based on BS EN ISO 7932:2004 AMD 1:2020</p> <p>PMF008 based on BS EN ISO 15213-2:2023</p> |



1639

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Tayside Scientific Services

Issue No: 066 Issue date: 19 December 2025

Testing performed at main address only

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---------------------------|---|---|
| FOODS, General (cont'd) | <u>Microbiological Tests</u> (cont'd) *Indicates analysis performed under Food Standards Scotland designation as Official Laboratory in accordance with assimilated European law AEUL OCR 2017/625 Enumeration (cont'd): *Enterobacteriaceae * <i>Escherichia coli</i> *Coagulase positive Staphylococci (including <i>Staphylococcus aureus</i>) | Documented In-House Methods identified by method number PMFx based on/incorporating published procedures referenced by BS EN ISO Methods PMF023 using Pour Plate based on BS EN ISO 21528-2:2017 PMF004 based on ISO 16649-2:2001 using surface spread technique PMF006 based on BS EN ISO 6888-1:2021 + AMD 1 :2023 |
| Shellfish | * <i>Escherichia coli</i> | PMF026 using MPN based on ISO 16649-3:2015 |



1639
Accredited to
ISO/IEC 17025:2017

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

Tayside Scientific Services
Issue No: 066 Issue date: 19 December 2025

Testing performed at main address only

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|--|---|
| WATERS | <u>Microbiological Tests</u> | Documented in house methods based on the Microbiology of Drinking Waters |
| Drinking waters (Non Regulatory), Raw Water and Recreational Water | Enumeration: Total coliforms and <i>Escherichia coli</i> | PMW008 based on the Microbiology of Drinking Water (2016):Part 4D using the colilert system |
| | Enterococci | PMW009 based on the Microbiology of Drinking Water 2012:Part 5B using EnterolertTM |
| | Total Colony Count at 22 °C and 37 °C | PMW003 based on the Microbiology of Drinking Water (2020):Part 7A using YEA pour plate |
| Swimming pool, Spa pool, , Drinking water (Non Regulatory), (excluding Natural Mineral and Bottled Waters) | <i>Pseudomonas aeruginosa</i> | PMW010 MPN using Pseudalert at 38°C based on MDW 2015 Part 8 Method C |
| | <i>Campylobacter</i> spp | PMF025 based in ISO 10272-1:2017 + AMD 1:2023 |
| | <i>Legionella</i> spp | PMW002 based on ISO 11731: 2017 Matrix A & B. Procedure 8, 9, 10 |
| | <u>Molecular Tests</u> | Documented In-House Methods identified by method number PMWx, based on International Standards |
| Drinking (Non Regulatory) Recreational (man made) | Detection and Quantification of DNA from <i>Legionella pneumophila</i> | PMW011 based on ISO/TS 12869:2019 by Real-Time PCR using filtration, Aquadien DNA Extraction Kit, Bio-Rad iQ Check Test Kit and Agilent MX3005 analyser |



1639

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Tayside Scientific Services

Issue No: 066 Issue date: 19 December 2025

Testing performed at main address only

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|--|---|
| Waters (cont'd) Drinking (Non Regulatory) | Molecular Tests (cont'd) Detection of: Shiga Toxin-Producing <i>Escherichia coli</i> (Presumptive) | Documented in house methods PMF029 based on CEN ISO/TS 13136:2012 by Multiplex Real-Time PCR using Life Technologies extraction and PCR test kit and Agilent MX3005 analyser |
| END | | |