


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>0009</b></p> <p>Accredited to ISO/IEC 17043:2010</p>	<h3>Fera Science Limited</h3> <p>Issue No: 024 Issue date: 10 July 2019</p>	
	<p><b>Proficiency Testing Group</b>  <b>FAPAS, FEPAS, GeMMA &amp; LEAP</b>  <b>Sand Hutton</b>  <b>York</b>  <b>North Yorkshire</b>  <b>YO41 1LZ</b></p>	<p><b>Contact: Leah Cadwallader</b>  <b>Tel: +44 (0)1904 465633</b>  <b>Fax: +44 (0)1904 500440</b>  <b>E-Mail: info@fapas.com</b>  <b>Website: www.fapas.com</b></p>
Proficiency Tests provided from the above address only		

### DETAIL OF ACCREDITATION

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
<p>Meat and meat products including offal,            Cereals and cereal products,            Fish and shellfish,            Fruit and vegetables,            Honey,            Milk &amp; milk powder,            Dairy products            Infant food,            Confectionary,            Nuts, herbs, spices and condiments            Alcoholic drinks            Fruit and vegetable juices            Preserves            Soft drinks            Tea and coffee            Oils and fats            Packaging materials and simulants            Sugar            Ready meals and snack foods            Egg            Liquid vitamin supplement            Animal feedstuffs</p>	<p><b><u>Food Chemistry (FAPAS Series 1-22, 24-31)</u></b></p> <p>Food contaminants</p> <ul style="list-style-type: none"> <li>- Acrylamide</li> <li>- Alcohol</li> <li>- Allergens</li> <li>- Organic environmental contaminants</li> <li>- Cyanuric acids</li> <li>- Melamine</li> <li>- Mycotoxins</li> <li>- Dyes</li> <li>- Nitrates and Nitrites</li> <li>- Metals</li> <li>- Veterinary Drug Residues</li> <li>- Pesticide and PCB residues</li> <li>- 3-MCPD, 1,3-DCP</li> <li>- Packaging migration</li> </ul> <p>Food Components</p> <ul style="list-style-type: none"> <li>- Proximates</li> <li>- Sugars and sweeteners</li> <li>- Antioxidants</li> <li>- Preservatives</li> <li>- Colours</li> <li>- Alcohol and congeners</li> <li>- Acidity</li> <li>- Caffeine and Theobromine</li> <li>- Fatty acids</li> <li>- Nutritional elements/minerals</li> <li>- Vitamins</li> </ul> <p>Meat &amp; Fish authenticity</p> <ul style="list-style-type: none"> <li>- Quality indicators including species identification</li> </ul>	<p>FAPAS<sup>®</sup> protocol parts 1 and 2 available at <a href="http://www.fapas.com">www.fapas.com</a></p>



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Dried food / feed products	<p><b><u>Food Chemistry (FAPAS Series 1-22, 24-31)</u></b> (cont'd)</p> <p>Food attributes – Water activity</p>	FAPAS® protocol parts 1 and 2 available at <a href="http://www.fapas.com">www.fapas.com</a>
<p>Soya Flour Maize Flour Animal feed Mixed flours Process/baked products Tobacco</p>	<p><b><u>GMO analysis (GeMMA Scheme) - including both Qualitative and Quantitative rounds of GM Material</u></b></p> <p>Specified GM events as available Challenge tests – one or more GM traits in mixed matrices</p>	FAPAS® protocol parts 1 and 4 available at <a href="http://www.fapas.com">www.fapas.com</a>
<p>Meat Chicken Rice Flour Salad Fruit juice Fruit Egg Fish Milk &amp; Milk powder Infant formula Pepper Confectionary Cocoa powder Soft cheese Herbs and spices Mixed vegetables Animal feed Environmental and sponge swabs</p>	<p><b><u>Food Microbiology (FEPAS Scheme)</u></b></p> <p>Detection and Enumeration:</p> <ul style="list-style-type: none"> <li>- Aerobic plate count</li> <li>- <i>Alicyclobacillus</i> spp</li> <li>- <i>Bacillus cereus</i></li> <li>- <i>Campylobacter</i> spp</li> <li>- <i>Clostridium</i> spp</li> <li>- <i>Clostridium perfringens</i></li> <li>- <i>Cronobacter Sakazakii</i></li> <li>- Coagulase positive <i>Staphylococci</i></li> <li>- Coliforms</li> <li>- <i>E. coli</i></li> <li>- <i>E coli</i> O157</li> <li>- Enterobacteriaceae</li> <li>- Enterococci</li> <li>- Lactic Acid Bacteria</li> <li>- Pseudomonads</li> <li>- Yeasts and Moulds</li> <li>- <i>Listeria monocytogenes</i></li> <li>- <i>Listeria</i> spp</li> <li>- <i>Salmonella</i> spp</li> <li>- <i>Vibrio parahaemolyticus</i></li> <li>- <i>Yersinia enterocolitica</i></li> </ul>	FAPAS® protocol parts 1 and 3 available at <a href="http://www.fapas.com">www.fapas.com</a>



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DRINKING WATER CHEMISTRY	<b><u>Water and Environmental Chemistry (LEAP scheme)</u></b>	Details of the scheme are documented in the FAPAS protocol parts 1 and 5 available at <a href="http://www.fapas.com">www.fapas.com</a>
Real Drinking Water	Major Inorganic Components	
Real Drinking Water	Routine Components	
Real Drinking Water	Routine Metals	
Standard Concentrates or solutions in Ultra-pure water	Non-routine Metals	
Standard Solution in Ultra-pure water	Inorganic disinfection by-products	
Spiking Concentrate into Ultra-pure water	Trihalomethanes/Chlorinated solvents	
Spiking Concentrate into Real Drinking water	Polycyclic Aromatic Hydrocarbons	
Spiking Concentrate into Real Drinking water	OP Pesticides	
Spiking Concentrate into Real Drinking water	Acid herbicides	
Spiking Concentrate into Real Drinking water	OC Pesticides	
Spiking Concentrate into Real Drinking water	BTEX Compounds	
Spiking Concentrate into Real Drinking water	Triazine and Urea Herbicides	
Standard Concentrate for dilution into Ultra-pure Water	Total and free chlorine	
Concentrate for dilution into Ultra-Pure Water	Total Cyanide	
Spiking Concentrate into Ultra-pure water	Haloacetic Acids	
Concentrate for dilution into Ultra-Pure Water	Hexavalent Chromium	



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<p>WASTE WATER CHEMISTRY</p> <p>Concentrate for dilution into Ultra-Pure Water (or full volume sample)</p>	<p><b><u>Water and Environmental Chemistry (LEAP scheme)</u></b></p> <p>BOD, COD, TOC</p> <p>Solids (total, suspended &amp; dissolved) – full volume sample</p> <p>Inorganic compounds (Groups 3 &amp; 8 including anions, cations alkalinity, kjeldahl N, total P and total nitrogen)</p> <p>pH, Electrical Conductivity</p> <p>Trace Metals (1 &amp; 2)</p> <p>Hexavalent Chromium</p> <p>Bromide, Fluoride</p> <p>Oil and Grease</p> <p>Total Cyanide</p> <p>Total Sulphide</p> <p>Dissolved Oxygen</p> <p>Purgeable aromatics and aliphatics</p> <p>Phthalates</p>	<p>Details of the scheme are documented in the FAPAS protocol parts 1 and 5 available at <a href="http://www.fapas.com">www.fapas.com</a></p>
<p>HIGH SALINITY WATER</p> <p>Simulated Seawater samples with salinity 3.5%</p>	<p><b><u>Water and Environmental Chemistry (LEAP scheme)</u></b></p> <p>Simple and Complex Nutrients</p> <p>Minerals</p> <p>Trace Metals (1 &amp; 2)</p>	<p>Details of the scheme are documented in the FAPAS protocol parts 1 and 5 available at <a href="http://www.fapas.com">www.fapas.com</a></p>



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SURFACE WATER CHEMISTRY	<b><u>Water and Environmental Chemistry (LEAP scheme)</u></b>	Details of the scheme are documented in the FAPAS protocol parts 1 and 5 available at <a href="http://www.fapas.com">www.fapas.com</a>
Surface water from Clean river, reservoir or lake	Major Inorganic Components  Routine Inorganic Components  Routine Metals  Toxic Metals	
CONTAMINATED LAND SOIL	<b><u>Environmental Soil Chemistry (LEAP scheme)</u></b>	Details of the scheme are documented in the FAPAS protocol parts 1 and 5 available at <a href="http://www.fapas.com">www.fapas.com</a>
Soil - certified reference material	Metals	
	<b><u>Potable water, Recreational water, swimming pool/spa water and environmental bathing water Microbiology/Parasitology (LEAP Scheme)</u></b>	FAPAS ® protocol parts 1 and 5 available at <a href="http://www.fapas.com">www.fapas.com</a>
Lyophilised vial	Total Coliform, E coli <i>Staphylococcus</i> spp Coagulase positive <i>Staphylococci</i> <i>Campylobacter</i> spp. Colony Count (22°C/3 days) Colony Count (37°C/1 days) Colony Count (37°C/2 days) E coli O157 Enterococci <i>Clostridium perfringens</i> <i>Ps. aeruginosa</i> <i>Pseudomonas</i> spp <i>Legionella</i> spp <i>Salmonella</i> spp	
Lyophilised vial	Organism Identification	
PBS Suspension, water	<i>Cryptosporidium</i> spp <i>Giardia</i> spp	
END		