


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>0009</p> <p>Accredited to ISO/IEC 17043:2010</p>	<p>Fera Science Limited</p> <p>Issue No: 025 Issue date: 31 March 2021</p>	
	<p>Proficiency Testing Group FAPAS, FEPAS, GeMMA & LEAP Sand Hutton York North Yorkshire YO41 1LZ</p>	<p>Contact: Tarn Driffield Tel: +44 (0)1904 465633 Fax: +44 (0)1904 500440 E-Mail: info@fapas.com Website: www.fapas.com</p>
<p>Proficiency Tests provided from the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
Meat and meat products including offal, Cereals and cereal products, Fish, shellfish, seafood and related products Fruit, vegetables and fungi, including dried Honey, Milk & milk powder, Dairy products Infant formula and infant/baby food,, Confectionary, including chocolate, Nuts and seeds, 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 Baked and processed foods Egg Food supplements Animal feedstuffs, including pet food, Animal Urine Food additives Dried Food/feed products	<p><u>Food Chemistry (FAPAS Series 1-22, 24-31)</u></p> Food contaminants <ul style="list-style-type: none"> - Acrylamide - Alcohol - Allergens - Organic environmental contaminants - Cyanuric acids & Melamine - Mycotoxins and plant toxins - Dyes - Hydroxymethylfurfural - Nitrates and Nitrites - Metals and metalloid elements - Veterinary Drug Residues including Synthetic and Natural Hormones - Pesticide and PCB residues - 3-MCPD, 2-MCPD, 1,3-DCP & 3-MPCD esters and glycidyl esters - Packaging migration - Spoilage 	FAPAS [®] protocol parts 1 and 2 available at www.fapas.com



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<p>Dried food / feed products</p> <p>Soya Flour Maize Flour Animal feed Mixed flours Process/baked products Tobacco</p>	<p><u>Food Chemistry (FAPAS Series 1-22, 24-31)</u> (cont'd)</p> <p>Food Components</p> <ul style="list-style-type: none"> - Proximates - Sugars and sweeteners - Antioxidants - Preservatives - Colours - Alcohol and congeners - Acidity - Caffeine and Theobromine - Fatty acids - Nutritional elements/minerals - Vitamins - Sterols - Halal parameters - Furans - Diastase - Peroxide Value - Anisdine Value - Iodine Value - Butyric acid - Choloesterol - Plant Sterols <p>- Meat, Fish and Herb authenticity by species identification</p> <p>Food attributes</p> <ul style="list-style-type: none"> - Water activity - Electrical Conductivity - UV Investigation K232, K270 <p><u>GMO analysis (GeMMA Scheme) - including both Qualitative and Quantitative rounds of GM Material</u></p> <p>Specified GM events as available Challenge tests – one or more GM traits in mixed matrices</p>	<p>FAPAS® protocol parts 1 and 2 available at www.fapas.com</p> <p>FAPAS® protocol parts 1 and 4 available at www.fapas.com</p>



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Meat Chicken Rice Flour Salad Fruit juice Fruit Egg Fish Milk & Milk powder Infant formula Pepper Confectionery (including chocolate) Cocoa powder Cheese Ready to eat meal Herbs and spices Mixed vegetables Animal feed Environmental and sponge swabs	<p><u>Food Microbiology (FEPAS Scheme)</u></p> <p>Detection and Enumeration:</p> <ul style="list-style-type: none"> - Aerobic plate count - Thermophilic acidophilic bacteria (TAB) and guaiacol producing TAB - <i>Alicyclobacillus</i> spp - <i>Bacillus cereus</i> - <i>Bacillus</i> spp - <i>Campylobacter</i> spp - <i>Clostridium</i> spp including sulphite reducing <i>Clostridium</i> (SRC) - <i>Clostridium perfringens</i> - <i>Cronobacter sakazakii</i> - Coagulase positive <i>Staphylococci</i> - Coliforms - <i>E. coli</i> - <i>E coli</i> O157 - Enterobacteriaceae - Enterococci - Lactic Acid Bacteria - <i>Pseudomonas</i> spp. - Yeasts and Moulds - <i>Listeria monocytogenes</i> - <i>Listeria</i> spp - <i>Salmonella</i> spp - <i>Vibrio parahaemolyticus</i> - <i>Yersinia enterocolitica</i> 	<p>FAPAS® protocol parts 1 and 3 available at www.fapas.com</p>
DRINKING WATER CHEMISTRY Real Drinking Water Concentrate for dilution into Ultra-Pure Water	<p><u>Water and Environmental Chemistry (LEAP scheme)</u></p> <p>Major Inorganic Components Routine Components Routine Metals</p> <p>Perfluorosurfactants:</p> <p>Perfluorooctanoic Acid (PFOA) Perfluorooctanesulphoric Acid (PFOS)</p>	<p>Details of the scheme are documented in the FAPAS protocol parts 1 and 5 available at www.fapas.com</p>



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



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<p>WASTE WATER CHEMISTRY (Cont'd)</p> <p>Concentrate for dilution into Ultra-Pure Water (or full volume sample)</p>	<p><u>Water and Environmental Chemistry (LEAP scheme) (cont'd)</u></p> <p>BOD, COD, TOC</p> <p>Solids (total, suspended & dissolved) – full volume sample</p> <p>Inorganic compounds (Groups 3 & 8 including anions, cations alkalinity, kjeldahl N, total P and total nitrogen)</p> <p>pH, Electrical Conductivity</p> <p>Trace Metals</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 www.fapas.com</p>
<p>HIGH SALINITY WATER</p> <p>Simulated Seawater samples with salinity 3.5%</p>	<p><u>Water and Environmental Chemistry (LEAP scheme)</u></p> <p>Simple and Complex Nutrients</p> <p>Minerals</p> <p>Trace Metals</p>	<p>Details of the scheme are documented in the FAPAS protocol parts 1 and 5 available at www.fapas.com</p>



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