Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

UKAS PROFICIENCY TESTING **0009** **Accredited to ISO/IEC 17043:2010**	**Fera Science Limited** **Issue No:** 030 **Issue date:** 05 April 2024
Proficiency Testing Group **FAPAS, FEPAS, GeMMA & LEAP** **Sand Hutton** **York** **North Yorkshire** **YO41 1LZ**	**Contact: Leah Cadwallader** **Tel: +44 (0)1904 465633** **Fax: +44 (0)1904 500440** **E-Mail: info@fapas.com** **Website: www.fapas.com**
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
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, Confectionery, 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 Plant materials	**<u>Food Chemistry (FAPAS Series 1-22, 24-32)</u>** Food contaminants - Acrylamide - Alcohol - Allergens - Organic environmental contaminants - Cyanuric acid & Melamine - Mycotoxins and plant toxins - Dyes - Furans - 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, 2 & 3-MPCD esters and glycidyl esters - Packaging migration - Spoilage - Pesticide and PCB residues	FAPAS ® protocol parts 1 and 2 available at www.fapas.com

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
	Food Chemistry (FAPAS Series 1-22, 24-32) (cont'd) Food Components - Proximates - Sugars and sweeteners - Antioxidants - Preservatives - Colours - Alcohol and congeners - Acidity - Caffeine and Theobromine - Fatty acids - Nutritional elements/minerals - Vitamins - Sterols - Halal parameters - Diastase - Peroxide Value - Anisidine Value - Iodine Value - Butyric acid - Cholesterol - Plant Sterols - Amino acids - Flavour Enhancers (Quinine / MSG) - Food Authenticity by species identification - Food Attributes - Water activity - Electrical Conductivity - UV Investigation K232, K270	FAPAS ® protocol parts 1 and 2 available at www.fapas.com

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Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
Soya Flour Maize Flour Animal feed Mixed flours Process/baked products Tobacco	**GMO analysis (GeMMA Scheme) - including both Qualitative and Quantitative rounds of GM Material** Specified GM events as available Challenge tests – one or more GM traits in mixed matrices	FAPAS ® protocol parts 1 and 4 available at www.fapas.com
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	**Food Microbiology (FEPAS Scheme)** Detection and Enumeration: - Aerobic plate count - Thermophilic acidophilic bacteria (TAB) - Guaiacol producing Thermophilic acidophilic bacteria (TAB) - *Alicyclobacillus* spp - *Bacillus cereus* - *Bacillus* spp - *Campylobacter* spp - *Clostridium* spp. - Sulphite reducing *Clostridia* (SRC) - *Clostridium perfringens* - *Cronobacter sakazakii* - Coagulase positive *Staphylococci* - Coliforms - E. coli - *E coli* O157 - Enterobacteriaceae - Enterococci - Lactic Acid Bacteria - Yeasts and Moulds - *Listeria monocytogenes* - *Listeria* spp - *Salmonella* spp - *Vibrio parahaemolyticus* - *Yersinia enterocolitica*	FAPAS ® protocol parts 1 and 3 available at www.fapas.com

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

Materials/Products	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
WASTE WATER CHEMISTRY Concentrate for dilution into Ultra-Pure Water (or full volume sample)	**Water and Environmental Chemistry (LEAP scheme)** (cont'd) BOD, COD, TOC Solids (total, suspended & dissolved) – full volume sample Inorganic compounds (Groups 3 & 8 including anions, cations alkalinity, kjeldahl N, total P and total nitrogen) pH, Electrical Conductivity Trace Metals Hexavalent Chromium Bromide, Fluoride Oil and Grease Total Cyanide Total Sulphide Dissolved Oxygen Purgeable aromatics and aliphatics Phthalates	Details of the scheme are documented in the FAPAS protocol parts 1 and 5 available at www.fapas.com
SURFACE WATER CHEMISTRY Surface water from Clean river, reservoir or lake	**Water and Environmental Chemistry (LEAP scheme)** Major Inorganic Components Routine Inorganic Components Routine Metals Toxic Metals	Details of the scheme are documented in the FAPAS protocol parts 1 and 5 available at www.fapas.com

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CONTAMINATED LAND SOIL Soil - certified reference material	**Environmental Soil Chemistry (LEAP scheme)** Metals	Details of the scheme are documented in the FAPAS protocol parts 1 and 5 available at www.fapas.com
Lyophilised vial PBS Suspension, water	**Potable water, Recreational water, swimming pool/spa water and environmental bathing water Microbiology/Parasitology (LEAP Scheme)** Total Coliform, E coli *Staphylococcus* spp Coagulase positive *Staphylococci* *Campylobacter* spp. Colony Count (22°C/3 days) Colony Count (37°C/1 days) Colony Count (37°C/2 days) E coli O157 Enterococci *Clostridium perfringens* *Pseudomonas aeruginosa* *Pseudomonas spp* *Legionella spp* *Salmonella* spp Organism Identification *Cryptosporidium* spp *Giardia* spp	FAPAS ® protocol parts 1 and 5 available at **w**ww.fapas.com
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