


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

| | | |
|---|---|---|
|  <p>Accredited to ISO/IEC 17025:2017</p> | Minton, Treharne & Davies Limited (Herbert J Evans Division) | |
| | Issue No: 035 Issue date: 07 July 2020 | |
| | Forest Farm Industrial Estate Longwood Drive Whitchurch Cardiff CF14 7HY | Contact: John Robinson Tel: +44 (0) 2920 540 000 Fax: +44 (0) 2920 540 111 E-Mail: MTDlab@minton.co.uk Karen.mayne@minton.co.uk Website: www.minton.co.uk |
| Testing performed by the Organisation at the locations specified | | |

Locations covered by the organisation and their relevant activities

Laboratory locations:

| Location details | Activity | Location code |
|---|--|---------------|
| <p>Address Forest Farm Industrial Estate Longwood Drive Whitchurch Cardiff CF14 7HY</p> <p>Local contact John Robinson Tel: +44 (0)2920 540 000 Fax: +44 (0)2920 540 111 E-Mail: MTDlab@minton.co.uk; Karen.mayne@minton.co.uk Website: www.minton.co.uk</p> | <p><u>Testing</u> Chemical Microbiological Physical</p> <p><u>Support Functions</u> Quality Management</p> | A |
| <p>Address Unit 5 Llwyn-yr-Eos Parc Menter Cross Hands Llanelli Carmarthenshire SA14 6RA</p> <p>Local contact Karen Mayne Tel: +44 (0)2920 540 000 Fax: +44 (0)2920 540 111 E-Mail: MTDlab@minton.co.uk Karen.mayne@minton.co.uk Website: www.minton.co.uk</p> | <p><u>Sample Drop off Point</u></p> | B |



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DETAIL OF ACCREDITATION

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|--|---|--|---------------|
| FOOD and FOOD PRODUCTS (general unless specified) | <u>Chemical Tests</u> | Documented In-House Methods identified by HJE/XXXX | |
| | Generic protocol for the development of methods of analysis | Methods developed under the generic protocol (flexible scope) using the techniques of Atomic absorption spectroscopy, gas chromatography, high performance liquid chromatography, UV-VIS spectroscopy, enzyme linked immunoassay (ELISA) microscopy, titrimetry and gravimetry, HJE/IH/030 | A |
| | Ash | HJE/F013 by furnace | A |
| | Calcium | HJE/F010 by Atomic Absorbtion Spectroscopy | A |
| | Fat | HJE/F015 using Acid Hydrolysis | A |
| | Moisture | HJE/F014 by oven drying | A |
| | Nitrogen and Crude Protein | HJE/F004 by Kjeldahl | A |
| | Nitrogen and Crude Protein | HJE/F030 by Dumas combustion | A |
| | Calculation of carbohydrate content | HJE/C001 by difference | A |
| | Phosphorus | HJE/F019 by visible Spectroscopy | A |
| | Sulphur Dioxide | HJE/F031 by Iodine titrimetry | A |
| Sugars: fructose, dextrose, sucrose, maltose and lactose | HJE/F024 by HPLC with RI detector | A | |
| Wines, Beer and Low Alcohol Drinks (including alcohol free products) | Alcoholic Content | HJE/F032 by Gas Chromatography | A |



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|--|--|--|-----------------------------------|
| FOOD and FOOD PRODUCTS (general unless specified) (cont'd) | <u>Chemical Tests (cont'd)</u> | Documented In-House Methods identified by HJE/XXXX | |
| Spirits | Alcoholic strength | HJE/F026 by pycnometer | A |
| Dairy Products | Acidity of Liquid Milk | HJE/F012 by titration | A |
| | Fat Content of Cream | HJE/F020 by Rose Gottlieb | A |
| | Total Solids Content of Cream | HJE/F027 by oven drying | A |
| | Herbs, Spices and Other Vegetable Materials | Microscopical examination and identification | HJE/F017 using optical microscopy |
| Meat and Meat Products | Hydroxyproline | HJE/F016 based on BS 4401 Part 11:1995 | A |
| | Nitrite | HJE/F018 based on BS 4401 Part 8 :1976 | A |
| | Soya Protein Content | HJE/F008 by ELISA using Neogen Veratox Soya Test Kit | A |
| | Total Volatile Nitrogen | HJE/F021 by distillation followed by titration | A |
| | Calculation of collagen, dry connective tissue and meat content | HJE/C002 | A |
| Oils and Fats | Free Fatty Acids and Peroxide Value | HJE/F025 by titration | A |
| Soft Drinks | Aspartame, Acesulfame K, Saccharin, Benzoic Acid, Sorbic Acid and Caffeine | HJE/F009 using HPLC | A |
| | Artificial colouring matter: Sunset yellow FCF | HJE/F005 (quantification) by HPLC with visible spectrometer detector | A |



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| WATER Drinking Water (non-regulatory), Surface Waters, Healthcare Water (Dialysis Water/Ultra Pure Water) | <u>Chemical Tests (cont'd)</u> | Documented In-House Methods identified by HJE/XXXX | |
| | pH | HJE/ W006 by pH meter | A |
| | Conductivity | HJE/ W007 by conductivity meter | A |
| | Ammonia | HJE/ W009 by visible spectrometry | A |
| | Aluminium | HJE/ W005 by visible spectrometry | A |
| | Copper Iron Manganese Zinc | HJE/ W001 by atomic spectroscopy, ETAAS, FAES and FAAS | A |
| | Anions: Chloride Fluoride Nitrate Nitrite Phosphate Sulphate | HJE/ W010 by Ion chromatography with EC detection | A |
| Cations: Calcium Magnesium Sodium Potassium | HJE/W011 by Ion chromatography with EC detection | A | |
| Drinking Water (Non-regulatory) and surface waters | <u>Microbiological Testing</u> | | |
| | Detection and Enumeration of Coliforms and <i>Escherichia coli</i> | HJE/M001A by Idexx Colilert 24 quanti-tray (24 hour incubation), based on the Microbiology of Drinking Water, 2016, Part 4D | A |



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| ANIMAL FEEDING STUFFS | <u>Chemical Tests</u> | Documented In-House Methods identified by HJE/XXXX | |
| | Ash | HJE/A006 by Furnace | A |
| | Crude Fibre | HJE/A005 by Fibrebag system | A |
| | Lead and Cadmium | HJE/A011 by wet oxidation and Flame AAS | A |
| | Moisture | HJE/A007 | A |
| | Nitrogen and Protein | HJE/F004 by Kjeldahl | A |
| | Nitrogen and Protein | HJE/F030 by Dumas combustion | A |
| | Oil | HJE/A004 by Acid Hydrolysis followed by Soxhlet (Method B) | A |
| | Generic protocol for the development of methods of analysis | Methods developed under the generic protocol (flexible scope) using the techniques of Atomic absorption spectroscopy, high performance liquid chromatography, enzyme linked immunoassay (ELISA), titrimetry and gravimetry, HJE/IH/030 | A |
| CHEMICAL AND CHEMICAL PRODUCTS (as specified) | <u>Chemical Tests</u> | | |
| Fertilisers | Nitrogen | HJE/F030 by Dumas combustion | A |
| TOYS and TOY PACKAGING | <u>Mechanical Tests</u> | BS EN 71-1:2014 + A1:2018 for the following test clauses | |
| | Drop test | 8.5 | A |
| | Sharp points | 8.12 | A |
| | Sharp edges | 8.11 | A |
| | Small parts | 8.2 | A |
| | Small balls | 8.32.1 | A |



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| TOYS and TOY PACKAGING (cont'd) | <u>Mechanical Tests (cont'd)</u> | BS EN 71-1:2014 + A1:2018 for the following test clauses | |
| | Play figures | 8.33 | A |
| | Impact test | 8.7 | A |
| | Accessibility test | 8.10 | A |
| Babies' dummies/soothers | | BS EN 1400:2013 + A1:2014 for the following clause | |
| | Impact test | 9.1 | A |
| END | | | |