


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING 1207</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Campden BRI (Nutfield)</h3> <p>Issue No: 058 Issue date: 26 July 2021</p>	
	<p>Coopers Hill Road Nutfield Redhill Surrey RH1 4HY</p>	<p>Contact: Mr H Williams Tel: +44 (0)1737 822272 Fax: +44 (0)1737 822747 E-Mail: huw.williams@campdenbri.co.uk Website: www.campdenbri.co.uk</p>
<p>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
	<u>Chemical and Physical Tests</u>	Documented In-House Methods for the brewing industry and based on European Brewing Convention (EBC) methods where stated:
ALCOHOLIC BEVERAGES	Ethyl Carbamate	AM/052 by GC-MS
BEER and CIDER	Sulphur Dioxide	AM/055 based on the Monier Williams Method
BEER, CIDER AND WINE	Alcohol	AM/019 based on EBC Method 9.4, 2004, EBC Method 9.2.1 2008
BEERS	Acetaldehyde Dimethyl Sulphide Ethyl Acetate Ethyl Hexanoate Iso Amyl Acetate Iso Amyl Alcohol Iso Butanol Iso Butyl Acetate n-Butanol n-Propanol	AM/010 based on EBC Method 9.39, 2002 using Gas Chromatography
	Carbohydrate - total	AM/032 based on EBC Method 9.26, 2000 using the Anthrone-sulphuric Acid method
	Carbon Dioxide	AM/011 based on EBC Method 9.28.2, 1997 (archived)
	Diacetyl 2,3-Pentanedione	AM/008 based on EBC Method 9.24.2, 1999 using Gas Chromatography



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BEERS (cont'd)	<u>Chemical and Physical Tests (cont'd)</u>	Documented In-House Methods for the brewing industry and based on European Brewing Convention (EBC) methods where stated:
BEER	Original Gravity	AM/019 based on EBC Method 9.4, 2004, EBC Method 9.2.1 2008
BEER	Ethanol	AM/018 using Gas Chromatography
CEREALS AND CEREAL PRODUCTS, BEERS	Aflatoxins B1, B2, G1, G2 Ochratoxin A Zearalenone	AM 050 using Immunoaffinity and HPLC
CEREALS AND CEREAL PRODUCTS, BEERS, MALT DERIVED DRINKS	Mycotoxins: 3 -Acetyl-deoxynivalenol (3-AcDON) 15-Acetyl-deoxynivalenol (15-AcDON) Deoxynivalenol (DON) Deoxynivalenol-3-glucoside (DON-3-G) Diacetoxyscirpenol (DAS) Fusarenon-X (FUS-X) HT-2 Toxin (HT2) Neosolaniol (NEO) Nivalenol (NIV) T-2 Toxin (T-2)	AM054 using immunoaffinity and LC-MS/MS
CEREALS AND BEERS	Glyphosate	AM053 using SPE with LC-MS/MS
CEREALS AND CEREAL PRODUCTS, BEERS, MALT DERIVED DRINKS	Fumonisin B1, B2	AM/041 using extraction SPE with LCMS-MS
BEERS AND MALT DERIVED PRODUCTS, NON-ALCOHOLIC BEVERAGES	Benzene	AM/038 using SPME with GCMS-MS
WORT and BEER	Free Amino Nitrogen	No AM/017 based on EBC Methods 8.10, 2015 and 9.10, 2000
	pH	AM/029 based on EBC Method 8.17, 1999 and EBC 9.35, 2004
BEER	Apparent total N-Nitroso compounds	AM/030 using a Thermal Energy Analyser



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MALTS, CEREALS, BREWING RAW MATERIALS and BEER WORT AND BEER	<u>Chemical and Physical Tests (cont'd)</u>	Documented In-House Methods for the brewing industry and based on European Brewing Convention (EBC) methods where stated:
	N-Nitrosodimethylamine (NDMA)	AM/031 using Gas Chromatography and Mass Spectrometry
	Bitterness	AM/003 based on EBC Method 9.8, 2020
	Colour	AM/028 based on EBC Method 9.6, 2000
	Determination of Haze	AM/033 based on EBC Method 9.29, 2015 using the Dr Lange Beer photometer
BEER, WORT AND SPENT GRAINS, CEREALS, CEREAL PRODUCTS AND SAUCES	Specific (Present) Gravity	AM/006 based on EBC Methods 8.2.2, 2004 and 9.43.2, 2004 using a density meter
	3-Monochloropropanediol (3-MCPD) at 0.01-0.5 mg/kg	AM/037 based on AOAC Official Methods of Analysis, Method 2000.01 using Gas Chromatography Mass Spectrometry
END		