

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK



2607

Accredited to  
ISO/IEC 17025:2005

### Aristos Loucaides Chemical Laboratory Ltd

Issue No: 019 Issue date: 29 February 2012

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Testing performed at the above address only

#### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATER	<u>Chemical Testing</u>	Documented in-house methods based on references as stated
Potable Waters and Waste Waters	Chlorides	CW11 based on APHA 20 <sup>th</sup> Ed 1999:4500:titrimetric method B
	Electrical conductivity Resistivity (by calculation)	CW02 based on APHA 20 <sup>th</sup> Ed 1999:2340C
	pH	CW01, In house documented method
	Total Hardness	CW03 based on APHA 20 <sup>th</sup> Ed 1999:2340C:EDTA Titration
	Total suspended solids	CW43 based on APHA 20 <sup>th</sup> Ed 1999:2540D
Including Bore hole waters	Calcium	CW23 based on APHA 20 <sup>th</sup> Ed 1999:3500-Ca B EDTA Titrimetric method
	Magnesium (by calculation)	CW24 based on APHA 20 <sup>th</sup> Ed 1999:3500 - Mg B (Calculation)
	Nitrites	CW16 based on APHA 20 <sup>th</sup> Ed 1999:4500 NO <sub>2</sub> B Colorimetric method
	Soluble Reactive Phosphorus	CW17 based on APHA 20 <sup>th</sup> Ed 1999:4500-P E Ascorbic acid method
	Ammonia	CW25 based on Nessler method
	Alkalinity	CW13/14 Titrimetric method based on APHA 20 <sup>th</sup> Ed 1999:2320B



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WATER (cont'd)	<u>Chemical Testing</u> (cont'd)	Documented in-house methods based on references as stated
Potable waters	Turbidity	CW50 based on APHA method 2310B by Nephelometry
	Determination of dissolved metals (Zinc & Copper)	CW31 based on APHA methods 3030B and 3111B using flame atomic absorption (direct acetylene flame method)
	Fluoride	CW18 based on APHA method 4500 F D using Spectrometry
Potable and Borehole waters	Sodium Potassium Sodium Adsorption ratio (SAR) by calculation	CW21/22 based on APHA method 3500-Na B and 3500-K B by Flame Photometry
	Nitrate	CW15 based on APHA 4500 NO <sup>3-</sup> B using Spectrometry
	Dissolved Metals: Aluminium Iron Manganese Copper Zinc Lead	CW35 based on APHA method 3120 B by ICP-OES determination
Potable, Surface and Borehole waters, wastewaters and seawater	Dissolved metals: Boron Iron	CW35A based on APHA method 3120 B by ICP-OES determination
WASTEWATERS (Treated and Untreated)	Total Phosphorus	CW48 based on APHA method 3120 B by microwave digestion and ICP-OES determination
CONCRETE	Chloride content	CC02 based on BS 1881:Part 124:1988
FINE CONCRETE AGGREGATES	Water Soluble Chloride	CS40 based on CYS EN 1744-1:2009, Part 7, (Volhard method)



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SLUDGE	<u>Chemical Testing</u> (cont'd) Metals: Cadmium Copper Nickel Zinc Lead Mercury Chromium	CS53 by ICP-OES determination
Waste Waters	Chemical Oxygen demand	CW40 based on APHA method 5200 COD D by sealed tube digestion using spectrometry
WATER (Potable, borehole, seawater, wastewater, pool water)	<u>Microbiological Testing</u> Enumeration of: Coliforms, total, confirmed Faecal Coliforms, confirmed Colony count at 37 °C and 22 °C Enterococci, confirmed <i>Pseudomonas aeruginosa</i> , confirmed Sulphite reducing clostridia	Documented in-house methods based on references as stated MW02 based on APHA 9222B:1999 confirmation using Lactose Peptone Water MW03 based on APHA 9222D:1999 confirmation using Lactose Peptone Water and EC Broth MW01 based on EN ISO 6222:1999 MW04 based on EN ISO 7899-2:2000 MW05 based on EN ISO 16266:2008 MW026 based on ISO 24461-2:1993
Domestic and industrial Process waters	Detection and enumeration of Legionella spp 'presumptive', confirmation of L. pneumophila serogroups 1 & 2-14	MW06/MW07 - Based on EN ISO 11731:1998 with confirmation using 'Oxoid' latex agglutination
Potable waters, Swimming Pool waters	Enumeration Staphylococci (presumptive)	MW08A - based on APHA 9213B-6:1999



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<p>WATER (Potable, borehole, surface seawater, wastewater, pool water)</p> <p>FOOD - Meat and Meat products, Fish and Fishery products, Milk and Milk Products, products intended for human consumption and Animal feed</p> <p>FOOD, FEEDSTUFFS and WASTEWATERS</p>	<p><u>Microbiological Testing</u> (cont'd)</p> <p>Detection and enumeration of: Coliforms/E-coli or Faecal coliforms</p> <p>Aerobic colony count</p> <p>Salmonella spp</p> <p>Listeria monocytogenes</p>	<p>Documented in-house methods based on references as stated (cont'd)</p> <p>MW30 (IDEXX Quantiray) based on APHA 9223:1999 standard methods "Enzyme substrate coliforms test (total coliforms and E. Coli)"</p> <p>MF01 Based on EN ISO 4833:2003</p> <p>MF07 - using VIDAS based on SLM procedure - AFNOR BIO 12/16 - 09/05 - confirmation based on ISO 6579:2002 using api20E</p> <p>MW06 - using VIDAS based on LMO procedure - AFNOR No. BIO-12/11 - 03/04 - confirmation with ALOA)</p>
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