

**Schedule of Accreditation**  
for Testing Laboratory According to ISO/IEC 17025  
Issued To  
**Kuwait International Laboratory**  
**Kuwait International Laboratory Co. (LABCO)**  
PO. Box 826, Alfirmous, 9235 Kuwait

Schedule No.:218011

Issue No. (1): August 30, 2018

1<sup>st</sup> Accreditation date: August 30, 2018

Revision No. (-):

Valid to: October 31, 2020

Materials / Products Tested	Types of Tests / Properties Measured / Range of Measurements (%)	Standard Specifications / Techniques Used		
Water/Wastewater	Determination of pH	APHA 4500 H <sup>+</sup> B 2017	<b>PH meter /Conductivity meter</b> Manufacture:HANA Model: H19828 S.N:B248573116	
	Determination of conductivity	APHA 2510 B:2017		
	Determination of Total Suspended Solids	APHA 2540 D:2017	<b>Drying Oven Biobase</b> Model: BOV-V125C S.N:1709410 digital balance	
	Determination of turbidity	APHA 2130 B:2017	<b>Turbidimeter</b> Model:Hana HI987031 S.N. 08509486	
	Determination of Color	DIN EN ISO 7887-C1-3	<b>Nanocolor VIS Machinery –Nagel</b> SN:NVIS0289 <b>Thermo Reactor</b> model : Spectroquant manufacturer –TR420 SN: 11380377 Spectrophotometric based method, ISO 15923-1-2013	
	Determination of Chloride	LOQ 2.5 mg/l		APHA 4500-Cl <sup>-</sup> E:2017
	Nitrate	2 mg/l		
	Nitrite	0.03 mg/l		ISO 7890-11986, DIN 38405-D9-2
	Nitrogen (Total)	5 mg/l		APHA 4500-NO <sub>2</sub> B:2017
		EN ISO 11905-1 (Issue 1997-05)		

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Water/Wastewater	Silicate	0.005 mg/l	EPA 370.1, ISO 15923-1:2013	<b>Nanocolor VIS Machinery –Nagel SN:NVIS0289 Thermo Reactor</b> model : Spectroquant manufacturer –TR420 SN: 11380377 Spectrophotometric based method, ISO 15923-1- 2013
	Sulphate	10 mg/l	Analogue to EPA 375.4	
	Fluoride	0.1 mg/l	EPA 340.3	
	Ortho-Phosphate PO <sub>4</sub> <sup>3-</sup>	0.3 mg/l	DIN EN ISO 6878-D11	
	Total Oxidised Nitrogen (TON)	2.03 mg/l	Calculation	
	Tin	0.1 mg/l	EPA 6020A, EPA 200.8.	
	Alkalinity (as CaCO <sub>3</sub> )	1 mg/l	APHA 2320 B:2017	
BOD (5 days)	2 mg/l	DIN-EN 1899-1-H51	<b>BOD incubator</b> Lovibond SN:1117/003284	
Wastewater	COD	100 mg/l	ISO 15705-H45:2002 and DIN 38 409 - H41-1 2002	<b>Thermo Reactor</b> model : Spectroquant manufacturer –TR420 SN: 11380377 Spectrophotometric based method, ISO 15923-1- 2013

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Water/Wastewater	Ammonium	1 mg/l	EPA 350.1, ISO 15923-1-2013.	<b>Discrete analyser/Thermoscientific</b> Model: GALLERY PIUS SN:862100110358
	Soluble reactive phosphorus (SRP)	0.3 mg/l	EPA 365.1 ISO 15923-1-2013	
	Calcium (Ca <sup>2+</sup> ),	0.2 mg/l 1	ISO 15923-1-2013	
	Magnesium (Mg <sup>2+</sup> )	-0.1 mg/	ISO 15923-1-2013	
	Total Hardness	5 mg/l	APHA 2340 C:2017	<b>Glass Burites</b>
	Total Kjeldahl Nitrogen	2 mg/l	APHA 4500-N:2017	<b>Graphit digester BIObase</b> Model BKD-20N, SN: SH222270248

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Food and Feed	Determination of PH	AOAC 981.12: 2011	<b>PH meter</b> H19828 Hanna, SN: 08509245 <b>Balance</b> Biobase S.N. 053122
	Determination of Moisture	AOAC 934.01:2010 GSO 285:2014.	<b>Vacuum pump</b> Gallenkomp S.N A080167 <b>Balance</b> Biobase S.N. 053122
	Determination of Fat content	AOAC 945.16:2010 GSO 285:2014 GSO 285:2014	<b>Electo Mantle:</b> S.N. 10595368 <b>Balance</b> Biobase S.N. 053122

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Food and Feed	Determination of Saturated Fatty Acids	Agilent application note 5989-3760N	Gas Chromatography with FID & ECD 7890 B Agilent Technologies
	Determination of Mono-Unsaturated Fatty Acids		
	Determination of Poly-Unsaturated Fatty Acids		
	Determination of Ash Content	AOAC 942.05, GSO 285:2014 , ISO 5984:2002	Muffle (Witeg) S.N. 10008011640001 Balance Biobase S.N. 053122
	Determination of Acidity as citric acid	AOAC 942.15 2005	Balance Biobase S.N. 053122

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<b>Food and Feed</b>	Determination of Protein	AOAC 2001:11:2010	<b>Digestion unit</b> <b>Protein Biobase</b> S.N. SH222270248 Distillation Unit Biobase TP 201733270
	Determination of Energy	AOAC 4-4-9:2000	<b>Balance</b> Biobase S.N. 053122
	Determination of Carbohydrate	AOAC 2000	
	Determination of salt	AOAC 960.29:2011	
	Determination of Total Solids	AOAC 920.151:2010	

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Material / Products Tested	Type of Tests / Properties Measured / Range of Measurements	Standard Specifications / Techniques Used	
Food	Enumeration of <i>E.coli</i>	ISO 16649-2:2001	<b>Incubator</b> Model BE600, S.N. E601.0136, S.N.E601.0135 Model Bioconcept, S.N. 210017 Model: BJPX-H48II, S.N. 1706285 <b>Autoclave</b> Model HTA-50V, S.N. HA51705147 <b>Oven</b> S.N. 21-700391 <b>Biosafety cabinet</b> Model C-13730400 Labconco
	Enumeration of <i>Coliform</i>	ISO 4832:2006	
	Determination of <i>Salmonella spp.</i>	ISO 6579-1:2017	
	Determination of <i>Staphylococcus aureus</i>	ISO 6888-1:1999.	
	Enumeration of Aerobic Plate Count	FDA BAM Chapter 3 :2001	
	Enumeration of <i>Enterobacteriaceae</i>	ISO 21528-2:2017	
	Determination of <i>Bacillus cereus</i>	ISO 7932:2004	
	Determination of <i>Clostridium perfringens</i>	FDA BAM Chapter 16:2001	

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Food	Enumeration of Yeast and Mold	FDA/CFSAN BAM Chapter 18:2001	<b>Incubator</b> Model BE600, S.N. E601.0136, S.N.E601.0135 Model Bioconcept, S.N. 210017 Model: BJPX-H48II, S.N. 1706285 <b>Autoclave</b> Model HTA-50V, S.N. HA51705147 <b>Oven</b> S.N. 21-700391 <b>Biosafety cabinet</b> Model C-13730400 Labconco
Water	Enumeration of Aerobic Plate Count	SM 9215:2012	
Water	Determination of <i>Pseudomonas aeruginosa</i>	ISO 16266 : 2006	
	Determination of <i>Clostridium perfringens</i>	ISO 14189:2013	
	Enumeration of <i>Legionella</i>	ISO 11731:2017	
	Enumeration of Total coliform	SM 9222B:2012	
	Enumeration of <i>E.coli</i>	USEPA 1603:2009	

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