

Ministry of
Trade and Industry
Egyptian Accreditation Council
EGAC



وزارة التجارة والصناعة
الجلس الوطني للاقتصاد
إيجاك

Schedule of Accreditation

for Testing Laboratory According to ISO/IEC 17025

Issued To

Central Lab. for Drinking Water
Qena Co. for Water & Wastewater (QCWW)

El Galaw - Al Sahel

Qena - Egypt

Schedule No.: 211002B

Issue No. (2): January 19, 2017

1st Accreditation date: June 1, 2011

Revision No. (1): April 19, 2018

Valid to: October 31, 2020

Materials / Products Tested	Types of Tests / Properties Measured / Range of Measurements (%)	Standard Specifications / Techniques Used
Microbiological Examination water	Enumeration of heterotrophic plate count at 35 °C by pour plate technique	SM 9215B :2012 Sampling methods: ISO 19458:2006
	Enumeration of heterotrophic plate count at 22 °C by 1 air plate technique	In-house Method SOP-MB-03 based on SM 9215B :2012 & ISO 6222:1999 Sampling methods: ISO 19458:2006
	Detection and enumeration of total Coliform by membrane filter technique	SM 9222B :2012 Sampling methods ISO 19458 :2006
	Detection and enumeration of fecal Coliform by membrane filter technique	SM 9222D:2012 Sampling methods ISO 19458 :2006
Detection and enumeration of fecal <i>Enterobacteriaceae</i> <i>Streptococcus</i> Groups by membrane filter technique	SM 9230 C:2012& ISO 7899-2:2000 Sampling Method ISO 19458:2006	

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Manifold, Manufacturer: Sartorius, Germany, S.N:37070011
Autoclave, S.N: 2573, system S.N: V1306
pH Meter, Manufacturer: HACH/USA, S.N:07030070013
Conductivity, Meter: S/N 07030070013
Incubator, S.N: 05801708 & 06091008 & R016501 & R016502 & 00210070F
Water bath, S.Ns:150710000 & 15071002
Oven, S.N: 40740055 & 407
Electric balance, S.Ns: 113541001 & 113541004

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Materials/Products Tested	Types of tests/Properties Measured/Range of Measurement	Standard Specifications/Techniques Used	Manufacturer, Manufacturer, Stuttgart, Germany. S.N: S7070011
water	Detection and enumeration of total coliform (cfu/100 ml) by MPN Method	SN 9221 (B & C):2012 Sampling methods: 19458:2006	Autoclave S.N: 2573
	Detection and enumeration of fecal coliform (cfu/100 ml) by MPN Method	SN 9221 (C & E):2012 Sampling methods 19458:2006	system S.N: V3206
	Detection and enumeration of fecal <i>Streptococci</i> and <i>Enterococci</i> groups (cfu/100 ml) by MPN Method	SN 9230 (B & C):2012 Sampling methods 19458:2006	pH Meter Manufacturer: HACH, USA S.N: 0730C260013
Detection of <i>coliforms</i> spp.	ISO 19250:2010 Sampling methods 19458:2006	Conductivity Meter: S.N: 07050CCT0053 Incubator S.N: 08091708 & 06031008 & K035941 & K035942 & 9402107LR Water Bath S.N: L50708099 & L5070792 Oven S.N: 40746658 & 407 Electric balance S.N: 1128341661 & 1128341664	

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Materials/Products Tested	Types of tests/Properties Measured/Range of Measurement	Standard Specifications/Techniques Used	Digital Centrifuge Manufacturer HERMLE S.N 47070128	Microscope Manufacturer Philippines S.N 8C65418	Microscope Manufacturer Germany S.N K71630	Opticus	OPTEC
water	<ul style="list-style-type: none"> E Enumeration and Classification of Algae in water microscopic examination Diatoms Green Algae Blue Green Algae Total Algae Count 	SM - 10290 (B, C, E, F), 2012 Sampling methods SM 10300B, 2012					

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تمت الموافقة على هذا التقرير في
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Materials/Products Tested	Types of tests/Properties Measured/Range of Measurement	Standard Specifications/Techniques Used	Standard Specifications/Techniques Used
Water	Determination of Organochlorine Pesticides		
	4,4 DDE	LOQ: µg/L	
	Heptachlor	0.01	
	Aldrin	0.01	
	Dieldrin	0.01	
	Endrin	0.01	
	4,4 DDT	0.01	
	Endrin aldehyde	0.01	EPA 608 Rev 3.1:1995
	Methoxychlor	0.01	SM 6630C :2012
	Endrin ketone	0.01	Sampling methods
	αlc-BHC	0.01	EPA 608:1995
	γarar-BHC(δisomer)	0.01	EPA 619
	γ,δ DDE	0.01	EPA 604
	βcc-BHC	0.01	
	δcc-BHC	0.01	
	2,4DDO	0.01	
	Alpha Endo sulfenyl	0.01	
Beta Endo sulfenyl	0.01		
4,4DDO	0.01		
2,4DDT	0.01		
Endo sulfenyl sulfate	0.01		
Heptachlor epoxide isomer B	0.01		

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Materials/Products Tested	Types of tests/Properties Measured/Range of Measurement	Standard Specifications/Techniques Used	Standard Specifications/Techniques Used	
water	Determination of Trihalomethanes (THMs)	EPA 551.1/990	Gas Chromatography equipped with Electron Capture Detector Agilent 7890A Serial: US 1131014 Manufacturer: Varian, Netherland Model: CP-3800, S.N: 104197	
	Trihalomethanes	LOQ (ug/L)		
	Chloroform	5		
	Dichloroethane	5		
	Dibromochloromethane	5		
	Bromoform	5		
	DETERMINATION OF POLYAROMATIC HYDROCARBONE			EPA 550 Rev 3.1:1990
	Naphthalene	LOQ (ug/L)		SM 6630C:2012
	Fluorene	0.01		Sampling methods:
	Phenanthrene	0.01		EPA 604
	Anthracene	0.01		EPA 608
	Pyrene	0.01		EPA 619
benzo-a-anthracene	0.01			
Chrysene	0.01			
Benzo-b-Fluoranthene	0.01			
Benzo-k-Fluoranthene	0.01			
Benzo-a-pyren	0.01			
Dibenz-a,h-anthracene	0.01			
Benzo (ghi) perylene	0.01			

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Materials/Products Tested	Types of tests/Properties Measured/Range of Measurement	Standard Specifications/Techniques Used
Water	Determination of electrical conductivity at 25 °C	<p>SM 4500 B-2012</p> <p>Portable Multi parameter Meter, Manufacturer: HACH/USA S.N: 060806190001</p> <p>pH Meter Manufacturer: HACH/USA Model: Senstor 7 S.N: 070700CS36056</p> <p>Portable Multi parameter Meter, Manufacturer: HACH/USA S.N: 060906190001</p> <p>Conductivity Meter Manufacturer: HACH/USA Model: Senstor 7 S.N: 070806C7760034</p>

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Materials/Products Tested	Types of tests/Properties Measurement	Measured/Range of	Standard Specifications/Techniques Used
water	Determination of turbidity SM 1060B.C:2012	5 mg/L	SM 2130 B:2012 SM 2130A:2012
	Parameter Determination of Total Dissolved Solids at 180°C (TDS)	LOQ	SM 2540C:2012 Sampling methods: SM 1060B.C:2012 EPA Guidelines:2007 SM 1060B.C:2012
			Field Portable Turbidimeters, Manufacturer: Thermo Scientific, Model: Orion AQ4500 S.N: B0275E Turbidimeter Manufacturer: HACH, U.S.A Model: 2100N S.N: 09090K025477 & 07080C022672 Field Portable Turbidimeters, Manufacturer: HF Scientific, Inc., USA S.N: 2010H8025
			Oven Manufacturer: Thermo Heraeus Model UT 6, S.N: 40746657 Digital Balance Manufacturer: Mettler Germany Model AB-204-S /Pact S.N: 1128341659

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Materials/Products Tested	Types of tests/Properties Measured/Range of Measurement		Standard Specifications/Techniques Used	Atomic Absorption Spectrometry- Flame Manufacturer: Varian - Australia Model: AA 240FS S.N:EI.07091697	
	Element	LOQ			
Water	Zinc (Zn)	0.05 ppm	SM 1111B:2012 Sampling methods: EPA Guidelines:2007 SM 1060B,C:2012 SM 8010B:2012	Digital Barette Manufacturer: Brand - Germany S.N 05E71641 S.N 05E71640	
	Copper (Cu)	0.05 ppm			
	Sodium (Na)	5.0ppm			
	Iron (Fe)	0.00 ppm			
	Manganese (Mn)	0.04 ppm			
	Determination of total alkalinity	1.5 mg CaCO ₃ /L			SM 2130B:2012 Sampling methods: EPA Guidelines:2007 SM 1060B,C:2012
	Determination of total hardness	3 mg CaCO ₃ /L			SM 1340C:2012 Sampling methods: EPA Guidelines:2007 SM 1060B,C:2012
Determination of calcium hardness	3 mg CaCO ₃ /L	SM 3500Ca-B:2012 Sampling methods: SM 1060:2012 EPA Guidelines:2007 SM 1060B,C:2012			
Determination of magnesium hardness (CalculationMethod)	3 mg CaCO ₃ /L	SM 3500 Mg-B:2012 Sampling methods: EPA Guidelines:2007 SM 1060B,C:2012			

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Materials/Products Tested	Types of tests/Properties Measurement		Measured/Range of	Standard Specifications/Techniques Used	Standard Specifications/Techniques Used
	Parameter	LOQ			
water	Determination of chloride	3 mg/L	SM 4500 Cl B:2012 Sampling methods: EPA guidelines:2007 SM 1060B.C:2012	Digital Burette Manufacturer Germany Model Burette Digital III S.N 05E71638	
	Determination of iron	0.05 mg/L	SM 3500 Fe B:12 Sampling methods: EPA guidelines:2007 SM 1060B.C:2012	UV-Vis Spectrophotometer Manufacturer: HACH/USA Model DR 3000 S.N 1224112	
	Determination of aluminum	0.05 mg/L	SM 3500 Al B:2012 Sampling methods: EPA guidelines:2007 SM 1060B.C:2012		
	Determination of manganese	0.075 mg/L	SM 3500 Mn B:2012 Sampling methods: EPA guidelines:2007 SM 1060B.C:2012		

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water	Parameter Determination of ammonia	SM 4500 NH ₃ -E:2012 Sampling methods: EPA guidelines:2007 SM 1060B.C:2012
	Determination of nitrite	Dim 38405- D .10.1986 Sampling methods: EPA guidelines:2007 SM 1060B.C:2012
	Determination of nitrate	ISO 7890-3 .1 st edition 1988-12-01 Sampling methods: EPA guidelines:2007 ISO 5667-3:2003 ISO 5667-5:1991
	Determination of sulphate	SM 4500 SO ₄ -E:2012 Sampling methods: EPA guidelines:2007 SM 1060B.C:2012
		L.V-Vis Spectrophotometer Manufacturer HACH,USA Model DR 5000 S.N 1224112

SM : Standard Methods for The Examination of Water and Wastewater 22nd Edition 2012
EPA : Environmental Protection Agency
LOQ: Limit of Quantitation

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