

Schedule of Accreditation
Issued To

Water and Air Laboratory (WAL)
The Egyptian Mineral Resources Authority (EMRA)
1 Ahmed El - Zaiat st., Dokki - Giza - A.R.E

Schedule No.: 20520 B

Issue No.(1) : April 21, 2016

1st Accreditation Date : April 21, 2016

Revision No(1), October 21, 2017

Valid to: April 20, 2020

Material / Products Tested	Type of Tests / Properties Measured / Range of Measurements	Standard Specifications / Techniques Used
Water	Determination of Conductivity at 25 °C	SM 2510 B:2012 Electro Conductivity Meter Manufacturer YSI, USA
	Determination of Salinity	SM 2520 A: 2012 Model 33 S.N B 9017189
	Determination of Total Dissolved Solids Dried at 180 °C	SM 2540 C: 2012 Balance Manufacturer Scatec, Germany Model SBA-32 S.N 70705350 Oven Manufacturer Lap Tech, Korea Model LDO-080F S.N 06102521

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5.2/Oct 2015

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Hany El Dessouky

مجلس الوطني للاعتدال - القاهرة - مصر
كورنيش المعادي - برج رياض المعادي - القاهرة - مصر
تلفون : 25275220 / 5 / 6 / 7 (202)
فاكس : 25275224 (202)

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	Water	Determination of Total Alkalinity	SM 2320 B: 2012	Titration Method
	Determination of Total Hardness	SM 2340 B: 2012	Calculation Method	
	Determination of Calcium Hardness	SM 3500 Ca B : 2012	EDTA Titrimetric Method	
	Determination of Magnesium Hardness	SM 3500 Mg B : 2012	Calculation Method	
	Determination of Sulfate, SO_4^{2-}	SM 4500- $SO_4^{2-}C$: 2012	Gravimetric Method Muffle Furnace Manufacturer VEC STAR, UK Code 10	

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كورنيش المعادي - برج رياض المعادي - القاهرة - مصر

تليفون : ٢٥٢٧٥٢٢٠ / ٥ / ٦ / ٧ (٢٠٢)

فاكس : ٢٥٢٧٥٢٢٤ (٢٠٢)

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Material / Products Tested	Type of Tests / Properties Measured / Range of Measurements		Standard Specifications / Techniques Used
	Element	LOQ (ppm)	
Water	Calcium	≥ 0.3	EPA 3005A:1992 SM 3111: 2012 Atomic Absorption Spectroscopy (Flame) Manufacturer GBC, Australian Model 908 S.N A 2874
	Chromium (Total)	≥ 1	
	Cobalt	≥ 1	
	Copper	≥ 0.3	
	Magnesium	≥ 0.3	
	Manganese	≥ 0.3	
	Potassium	≥ 0.3	
Zinc	≥ 0.3		

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كورنيش المعادي - برج رياض المعادي - القاهرة - مصر

تليفون : ٢٥٢٧٥٢٢٠/٥/٦/٧ (٢٠٢)

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	Element	LOQ (mg/l)	
Water	Na	0.3	SM 3111: 2012 EPA 3005A:1992 Atomic Absorption Spectroscopy (Flame) Manufacturer GBC, Australian Model 908 S.N A 2874
	Cd	0.3	
	Pb	2	
	Ni	0.5	
	Fe	1	
	Li	0.3	
		Determination of chloride Cl ⁻	
	Determination of pH value		SM4500H+ B:2012 pH Meter Manufacturer WTW, Germany Model 525 S.N 41005015

Hany El-Dossouki
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 كورنيش المعادي - برج رياض المعادي ١ - القاهرة - مصر
 هاتفون : ٢٥٢٧٥٢٢٠ / ٥ / ٦ / ٧ (٢٠٢)
 فاكس : ٢٥٢٧٥٢٢٤ (٢٠٢)