

Schedule of Accreditation  
for Testing Laboratory According to ISO/IEC 17025

Issued To  
Tank Oil Laboratory – Tank Oil Company  
Block (10) - Merghim North  
Alexandria Governorate – Egypt

Schedule No.: 021912B 1<sup>st</sup> Accreditation Date: April 02, 2020 Issue No. (04): January 12, 2023 Revision No. ( ): Valid to: April 01, 2024

Materials/P Products Tested	Types of Tests / Properties Measured / Range of Measurements	Standard Specifications / Techniques Used
Coal and Coke	Determination of Carbon, Nitrogen, Hydrogen	ASTM D5373:2021 Elemental Analyzer: Model: Flashsmart, S.N.: 2018.FLS0086 Balance: Model: Mettler WXTTE, S.N.: B813607193
	Determination of Sulfur	Sulfur Analyzer: Model: LECO S832, S.N.: 26845 Balance: Model: ATX 224, S.N.: D307035732
	Determination of Ash	Muffle furnace Model: AAF 11/7, S.N.: 21.801508 Electronic Balance Model: ATX 224, S.N.: D307035732
	Determination of Volatile Matter	Muffle furnace Model: VMF 10/6, S.N.: 21.801509 Electronic Balance Model: ATX 224, S.N.: D307035732
	Determination of Total Moisture	Binder Drying Oven Model: FD115, S.N.: 20170000000056 Electronic Balance Model: PS6100.R2.M, S.N.: 604090
	Determination of Gross Calorific Value	Calorimeter Model: IKA C6000 Isoperipol, S.N.: 100301311 Electronic Balance Model: PS6100.R2.M, S.N.: 604090

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Iron Ore	Determination of Iron	ASTM E246-10:2021 Balance: Model: Radweg AS 220/C/2, S.N.: 382957/13 Oven: Model: Aglab BOV-D125, S.N.: 2535554 Density Meter Analyzer: Model: Anton Paar DMA4500M, S.N.: 80505082
	Determination of Density	ASTM D4052:2022
	Determination of Flash Point	ASTM D93:2020 Automatic Pensky Martens Flash Point Tester Model: HK-1002B, S.N.: 2009152
	Determination of Kinematic Viscosity	ASTM D445:2021 Semiautomatic Kinematic Viscosity Model: HK-1005B, S.N.: 2009153
Petroleum Product	Determination of Sulfur	ASTM D4294:2021 XRF SUPER MINI 200 Model: Supermini 200, S.N.: BE70000176-01
	Determination of Pour Point	ASTM D97:2017 Pour and Cloud Point Tester Model: HK-3535A, S.N.: 2009155
	Determination of Salts in Crude Oil (Electrometric Method)	ASTM D3230:2019 Salt content Model: 942800, S.N.: 106082001
	Determination of pH Value	SMWW 4500 H:2017 pH Meter Model: Sens Ion, S.N.: 828015
Water	Determination of Total Hardness	SMWW 2340 C:2017
	Determination of Chloride	SMWW 4500-Cl B:2017 Titrimetric Method

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Industrial Investment Map: <http://investegypt.com> في مصر: الصفحة الرسمية لخريطة الاستثمار الصناعي

كورنيش المادي - برج رياض المادي - القاهرة - مصر  
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Edible Oil	Determination of Acid value	Balance: Model: Radwag AS 220/C/2, S.N.: 382957/13 Oven: Model: BOV-D125, S.N.: 2535554
	Determination of Peroxide value	
	Determination of Ash	Balance: Model: Radwag AS 220/C/2, S.N.: 382957/13 Muffle: Model: Nabertherm B150, S.N.: 270242
	Determination of fiber	
Animal Feed	Determination of Fat	Analytical balance Model: Radwag AS 220 /C/ 2, S.N.: 382957/13 Oven Model: Binder, S.N.: 15-02003
	Determination of Moisture	

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Animal Feed	Determination of crude protein	ISO 5983-1:2005	<b>Analytical Balance</b> Model: RADWAG AS 220/C/2, S.N.: 382957/13 <b>Block digestor</b> Model: FOSS DT 220, S.N.: 91766284 <b>Kjeldahl</b> Model: FOSS KT 200, S.N.: 91772374	
Grains and Animal Feed	Determination of Crude Protein	AOAC 2001.11:2016	<b>Analytical balance</b> Model: Radwag AS 220 /C/ 2, S.N.: 382957/13 <b>Muffle</b> Model: Nabertherm, S.N.: 270742	
Cereals	Determination of Moisture	ISO 712:2009	<b>Analytical Balance</b> Model: RADWAG AS 220/C/2, S.N.: 382957/13 <b>Block digestor</b> Model: FOSS DT 220, S.N.: 91766284 <b>Kjeldahl</b> Model: FOSS KT 200, S.N.: 91772374 <b>Oven</b> Model: Binder, S.N.: 20170000000056	
	Determination of crude protein	ISO 20483:2013		
Soap	Determination of Total Fatty Matter content	ISO 685:2020	<b>Electronic Balance</b> Model: RADWAG AS 220/C/2, S.N.: 382957/13 <b>Drying Oven</b> Model: BOV-D125, S.N.: 2535554	

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Fertilizer	Determination of Total Nitrogen in Urea	BS EN 15478:2009 Distillation unit: Model: Kjeldahl FOSS KT 200, S.N.: 91772374 Block digester Model: FOSS DT 220, S.N.: 91766284 Electronic Balance Model: RADWAG AS 220/C2, S.N.: 38295713
	Determination of Total Phosphorous	AOAC 962.02: 2019 AOAC 957.02: 2019 Muffle Furnace Model: Nabertherm B150, S.N.: 270742 Electronic Balance Model: RADWAG AS 220/C2, S.N.: 38295713
Sound Noise Level	Determination of Occupational Noise exposure (from 30 to 130 dB)	ISO 9612:2009 Sound meter Model: CA834, S.N.: 190701815
Light Level (LUX)	Determination of Light Level (from 0 to 10000 LUX)	EN 13032-1:2004+A1:2012 Light meter Model: CS1110, S.N.: 232771SKH
Cement	Determination of ( SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , Fe <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , Na <sub>2</sub> O, TiO <sub>2</sub> , P <sub>2</sub> O <sub>5</sub> & MnO)	X-ray fluorescence Model: XRF Supermini 200, S.N.: BE70000176-01 Muffle S.N.: 399054 Digital balance Model: AS220.R2plus, S.N.: 670209

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Food	Enumeration of microorganism - Part I colony count at 30 °C by the pour plate technique.	ISO 4833-1:2013	Analytical Balance Model: AS 220.R2 PLUS, S.N.: 686375
	Enumeration of yeasts and molds-Colony count technique in products with water activity greater than 0.95	ISO 21527-1:2008	Top load Balance Model: PS 2100.R2, S.N.: 567036
	Enumeration of beta glucuronidase-positive <i>Escherichia coli</i> at 44 °C	ISO 16649-2:2001	Autoclave Model: AES.75, S.N.: 39496 Model: ACT20, S.N.: ACT60013881
	Enumeration of Total Coliform	SMWW 9221 B:2017	Incubator Model: KB 115, S.N.: 16-06497 Model: BD 115, S.N.: 2018000009826 Model: BD 115, S.N.: 2018000009826
Water	Enumeration of Thermotolerant (Fecal) Coliform	SMWW 9221 E:2017	Oven Model: ED56, S.N.: 16-02773 pH-meter Model: 3510, S.N.: 59126
Environmental Swab	Detection and enumeration of <i>Enterobacteriaceae</i>	ISO 21528 1,2:2017	

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