



Ministry of Trade , Industry  
Egyptian Accreditation Council  
EGAC

وزارة التجارة والصناعة  
المجلس الوطني للاعتماد  
إيجاك

Schedule of Accreditation

Issued to

ARMA Chemical & Microbiology Laboratory

ARMA Company

Industrial Zone B2 - 10<sup>th</sup> Ramadan City -Cairo- Egypt

Schedule No.: 211024 B

Issue No. (2): August 10, 2016

1<sup>st</sup> accreditation date : March 9, 2012

Revision No. (-):

Valid to: March 8, 2020

Materials / Products Tested	Types of Tests / Properties Measured / Range of Measurements	Standard Specifications / Techniques Used
<ul style="list-style-type: none"><li>All crude oils</li><li>Refined vegetable oils</li><li>Marine oils</li><li>Animal fats</li></ul> All normal fats & oils including Margarine	Determination of free fatty acids	AOCS ca 5a-40:2012 Balance Manufacturer Mettler Toledo,Germany Model AB 204 S S.N 1127041399
	Determination of peroxide value	AOCS Cd 8b-90:2011
All normal fats & vegetable Fats	Determination of melting point	AOCS Ce 1-25:2009 Thermometer S.N 02/11

*Hany El-Desouki*



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<ul style="list-style-type: none"><li>Margarine</li><li>Frying and baking oils</li><li>Cocoa butter substitutes.</li></ul>	Determination of the Solid Fat Content (SFC)	Nuclear Magnetic Resonance Spectroscopy (NMR) Bruker Minispec MQ - ONE S.F.C Analyzer, Germany S.N : 3578
All normal fats & oils	Determination of iodine value	Balance Manufacturer Mettler Toledo, Germany Model AB 204 S S.N 1127041399
All normal oils & liquid fats	Determination of refractive index	Refractometer ( Bellingham+ Stanley ) Model RFM 970 & Code 22-970 S.N BZ 11040
All normal animal & vegetable fats & oils	Determination of color	Lovibond Tintometer Manufacturer Tintometer , UK Model F , S.N 11018
All ordinary fats & oils including emulsions	Determination of moisture and volatile matter	Balance Manufacturer Mettler Toledo, Germany Model AB 204 S S.N 1127041399

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Water	Determination of metals	APHA,SM 3030 E :2012 APHA,SM 3111 B :2012 Flame Atomic Absorption Spectrometry Manufacturer Perkin Elmer , USA Model A Analyst 400 S.N 20157010508	
	Metal		
	Copper		
	Iron		
	Nickel		
Soaps & detergents	Determination of pH	ASTM D 1172:2015 <b>pH Meter</b> Manufacturer Jenway , Germany Model 3510 , S.N 1816 <b>Balance</b> Manufacturer Mettler Toledo, Germany Model PB 303- S , S.N. 1125430432	
	Detergents (Bleaching Compounds)	ASTM D 2180-89:2008 <b>Balance</b> Manufacturer Mettler Toledo, , Germany Model AB 204 S S.N. 1127041399 <b>Oven</b> Manufacturer Memmert, Germany Model UFE 550 S.N G 910/0008	

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Foods based on fats and oil	Enumeration of total plate count at 30 °C	pH Meter Model 3510 , S.N 1816
	Enumeration of coliforms	Water Bath Model WNB 22 , S.N L5070535
	Detection of <i>Salmonella spp</i>	Incubator Model B6 S.Ns 404444786 & 404444783
	Enumeration of yeasts & moulds	Model B 28 , S.N 0471205
	Enumeration of $\beta$ -glucuronidase-positive <i>Escherichia coli</i> Detection & enumeration of Enterobacteriaceae	Model BD E2 , S.N 12-21560 Balance Manufacturer Sartorius, Germany Model GP 5202 , S.N 19203201 Colony Counter Model SC6 , S.N R000102154 Autoclave Model DGM500 , S.N LDZX-50KBT Model Raypa AE-75 Dry, Man Spain, S.N.: 37605

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