

**Schedule of Accreditation**

**Issue To**

**Chemical Testing Laboratory - Arab British Dynamics (ABD)  
 Arab Organization for Industrialization (AOI)**  
 Kilo 4.5 Suez Road  
 Cairo - Egypt

Schedule No.: 20673B Issue No. (3): March 1, 2016 1<sup>st</sup> Accreditation date: June 7, 2007 Revision No(1): March 13, 2017 Valid to : January 8, 2020

Materials / Products Tested	Types of Tests / Properties Measured / Range of Measurements (%)	Standard Specifications / Techniques Used	
		LOQ	
Stainless steel	C	0.005 - 0.25 %	Optical Emission Spectrometer Manufacturer SPECTRO Analytical Instruments, Germany Model : Spectrolab S.N: 4G/0069/8673/97
	Si	0.01 - 0.90 %	
	Mn	0.01 - 2.0 %	
	P	0.003 - 0.07 %	
	S	0.003 - 0.065 %	
	Cr	17.0 - 23.0 %	
	Mo	0.01 - 3.0 %	
	Ni	7.5 - 13.0 %	
	Cu	0.01 - 0.30 %	
		0.00230	
		0.00062	
		0.00115	
		0.00098	
		0.01143	
		0.00277	
		0.44319	
		0.00039	

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 H. El-Desouki

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Materials / Products Tested	Types of Tests / Properties Measured / Range of Measurements (%)	Standard Specifications / Techniques Used	
		ASTM E:415:2015 Spectrometer	Optical Emission
Carbon and Low-alloy steel	C	0.08 - 1.1 %	Manufacturer SPECTRO Analytical Instruments, Model Spectrolab S.N: 4G/0069/8673/97
	Si	0.07 - 1.15 %	
	Mn	0.10 - 2.0 %	
	P	0.02 - 0.085 %	
	S	0.01 - 0.055 %	
	Cr	0.02 - 2.25 %	
	Mo	0.03 - 0.6 %	
	Ni	0.02 - 4.5 %	
	Al	0.02 - 0.075 %	
	Co	0.008 - 0.18 %	
	Cu	0.04 - 0.5 %	
	Nb	0.02 - 0.085 %	
	Ti	0.004 - 0.2 %	
	V	0.004 - 0.3 %	
	Sn	0.01 - 0.045 %	
Fe	Rest		
	LOQ	0.00364	
		0.00253	
		0.00111	
		0.00096	
		0.00076	
		0.00115	
		0.00287	
		0.00265	
		0.00108	
		0.00313	
		0.00045	
		0.00547	
		0.00027	
		0.00116	
		0.00099	


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		LOQ	
High manganese steel	Spectrometric analysis by optical emission technique	C	0.3 - 1.4 %
		Si	0.25 - 1.5 %
		Mn	8.0 - 16.2 %
		P	0.025 - 0.06 %
		Cr	0.25 - 2.00 %
		Mo	0.03 - 2.0 %
		Ni	0.05 - 4.0 %
		Al	0.02 - 0.15 %
		Fe	Rest
		ASTM E 2209-02 :2006	Optical Emission Spectrometer Manufacturer SPECTRO Analytical Instruments, Germany Model Spectrolab S.N 4G/0069/8673/97

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Materials / Products Tested	Types of Tests / Properties Measured / Range of Measurements (%)	Standard Specifications / Techniques Used	
Aluminum and aluminum alloys	Spectrometric analysis by optical emission technique	LOQ	
		Si 0.07 - 13 %	ASTM E 1251: 2011
		Fe 0.2 - 0.5 %	Optical Emission Spectrometer
		Cu 0.001 - 5.5 %	Manufacturer SPECTRO
		Mn 0.001 - 1.2 %	Analytical Instruments, Germany
		Mg 0.03 - 5.4 %	Model: Spectrolab
		Zn 0.002 - 5.7 %	S.N 4G/0069/8673/97
		Ni 0.005 - 2.6 %	
		Pb 0.04 - 0.6 %	
		Sa 0.03 - 0.7 %	
		Ti 0.001 - 0.12 %	
		P 0.003 - 0.01 %	
		Sb 0.001 - 0.5 %	
		V 0.002 - 0.022 %	
Co 0.4 - 0.6 %			
Cr 0.001 - 0.23 %			
Al Rest			

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Materials / Products Tested	Types of Tests / Properties Measured / Range of Measurements (%)	Standard Specifications / Techniques Used		
		LOQ		
Copper Alloys (Cu / Zn Alloys)	Spectrometric analysis by optical emission technique	Sn	0.002 - 5%	Optical Emission Spectrometer Manufacturer SPECTRO Analytical Instruments, Germany Model Spectrolab S.N 4G.0069/8673/97
		Pb	0.001 - 4.0 %	
		Zn	0.2 - 50 %	
		P	0.001 - 0.2 %	
		Mn	0.005 - 6.0 %	
		Fe	0.001 - 5.0 %	
		Ni	0.005 - 7.0 %	
		Si	0.005 - 5.1 %	
		Mg	0.001 - 0.02 %	
		Cr	0.001 - 1.0 %	
		Sb	0.005 - 0.4 %	
		Co	0.001 - 0.4 %	
		Al	0.001 - 5.0 %	
		S	0.002 - 0.05 %	
Cu	Rest			

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فاكس: (٢٠٢) ٢٥٢٧٥٢٢٤

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Materials / Products Tested	Types of Tests / Properties Measured / Range of Measurements (%) Spectrometric analysis by optical emission technique	LOQ	Standard Specifications / Techniques Used

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		LOQ	BS EN 15079:2007	
Copper alloys (Cu / Sn / Pb alloys)	Spectrometric analysis by optical emission technique	Sn	0.001-15.0%	Optical Emission Spectrometer Manufacturer SPECTRO Analytical Instruments, Germany Model Spectrolab S.N 4G/0069/8673/97
		Pb	0.0015 - 11.5%	
		Zn	0.002 - 15.0%	
		P	1.0%	
		Mn	0.005- 0.6%	
		Fe	0.001- 1.7%	
		Ni	0.005 - 8.5%	
		Si	0.005- 0.5%	
		Mg	0.001-0.2%	
		Sb	0.005 - 1.5%	
		Al	0.001-1.7%	
		S	0.001-0.2%	
		Cu	Rest	

  
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Page 7 of 7