

Schedule of Accreditation
for Testing Laboratory According to ISO/IEC 17025
Issued To
Central Laboratories of
Arab Company for Special Steel (ARCOSTEEL)
4th & 5th Industrial Zone, Sadat City –, Menofeia Gov. Egypt

Schedule No.: 20628\1B Issue No.(1): September 20, 2018 1st Accreditation date: September 20, 2018 Revision No. (-): Valid to : October 31, 2020

Materials / Products Tested	Types of Tests / Properties Measured / Range of Measurements	Standard Specifications / Techniques Used	
Metallic materials	Tension Testing	0-500kN	ASTM E8/E8M:2016a Universal Testing Machine Manufacturer Shimadzu Japan Model UH 500KNA S.N 121053600043
	Notched Bar Impact Testing	0-406.7 J	ASTM E 23:2016b Impact Testing Machine Manufacturer Satec Systems USA Model SI-IK3 S.N 3187 Digital Thermomter Manufacturer OAKTON Model TEMP16 S.N 837606
	Determination of Rockwell hardness	20-65 HRC	ASTM E18:2017 Rockwell Hardness Tester Manufacturer Future Tech, Japan Model FR3 S.N FR33173
	Determination of Brinell hardness	95.5-650 HBW	ASTM E 10:2017 Brinell Hardness Tester Manufacturer Leborough Field Industria / Estate Model HB-3000B Code No. AS-201-3-13

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5.3/Mar 2018

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كورنيش المعادي - برج رياض المعادي 1 - القاهرة - مصر

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Low Alloy Steel	chemical analysis using atomic emission vacuum spectrometric analysis.	ASTM E 415:2017 Optical Emission Spectroscopy Manufacturer ARL, Switzerland Model OES-3460 S.N 2269		
			As	0.003-0.1
			B	0.004-0.007
			C	0.02-1.1
			Cr	0.007-8.14
			Co	0.006-0.2
			Cu	0.006-0.5
			Mn	0.03-2
			Mo	0.007-1.3
			Ni	0.006-5
			Nb	0.003-0.12
			N	0.01-0.055
			p	0.006-0.085
			Si	0.02-1.54
			S	0.001-0.055
			Al	0.006-0.093
			V	0.003-0.3
Ca	0.002-0.003			
Ti	0.001-0.20			
Zr	0.01-0.05			
Sn	0.005-0.061			

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Stainless Steel	Atomic Emission Vacuum Spectrometric analysis	C	0.005-0.25	ASTM E 1086:2014	Optical Emission Spectroscopy Manufacturer ARL, Switzerland Model OES-3460 S.N 2269
		Si	0.01-0.9		
		Mn	0.01-2		
		P	0.003-0.15		
		S	0.003 -0.065		
		Cr	17-23		
		Mo	0.01-3.0		
		Ni	7.5-13		
Cu	0.01-0.3				

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Steel	Determination of total hydrogen	In House Method AS-32-2-80:2014 based on Manufacturer Manual	Dual Hydrogen Determinator Manufacturer Leco, USA Model DH-603 S.N 3053
Steel, Iron, Nickel, and Cobalt Alloys	Determination of Carbon, Sulfur, Nitrogen and Oxygen	ASTM E1019:2011 (Test Method Type A)	Carbon / Sulfur Determinator Manufacturer Leco, USA Model C/S 444LS S.N 3770 Oxygen / Nitrogen Determinator Manufacturer Leco, USA Model TC - 436 S.N 3875
Stainless steel , alloy steel Cast iron	X- Ray Fluorescence Spectrometric analysis	ASTM E572:2013 ASTM E 1085:2016 ASTM E322:2012	X- Ray Fluorescence Spectroscopy Manufacturer ARL, Switzerland Model XRF-9800 S.N 038

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