

Accreditation Scope

Aries Oil Field Services LLC, NAL 123
Testing Laboratory, (ISO/IEC 17025:2017)

Mussafah, Abu Dhabi, UAE

Issue Date: 30-06-2021
Issue No: 03

Expiry Date: 29-06-2024

Testing Field	Materials/ Products tested	Type of test/ Test parameter/Properties measured/Range of measurement	Test Method (Standard, Internal Procedure, Technique)	Permanent lab (P) / Client-site (S)
Physical/ Mechanical	Ferrous and Non- Ferrous Materials, Weldments	Tensile Test 20kN-1000kN	AWS D1.1 D1.1M:2020	P
			AWS D1.6/D1.6M:2017	
			AWS B4:2016	
			ASTM E8/E8M: 21	
			ASTM A370: 20: Clause 7 to 14	
			ASME BPVC IX: 2019	
			API1104 :2013 + A1:2019	
			API 5L 46th Edition: 2018	
			BS EN ISO 15614-1:2017+ A1:2019	
			BS EN ISO 4136:2012	
			BS EN ISO 6892-1:2019	
			ASTM A 770-03(2018)	
			BS EN 10164: 2018	
AWS D17.1/D17.1M: 2017				
Physical/ Mechanical	Ferrous and Non- Ferrous Materials, Weldments	Hardness Test (Rockwell and Vickers) 150Kgf HRC, 100KgfHRBW 10Kgf HV	ASTM E18 – 20	P
			BS EN ISO 6508-1:2016	
			BS EN ISO 6507-1: 2018	
			ASTM E92 – 17	
			AWS B4:2016	

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Physical/ Mechanical	Ferrous and Non- Ferrous Materials, Weldments	Hardness Test (Rockwell and Vickers) 150Kgf HRC, 100KgfHRBW 10KgfHV	BS EN ISO 9015-1:2011	P
			ANSI/NACE MR0175	
			ISO 15156-2015	
			API 5L46th Edition: 2018	
Physical/ Mechanical	Ferrous and Non- Ferrous Materials, Weldments	Charpy Pendulum Impact Test 0 to 300 Joules	ASTM A370:20: Clause 20 to 27	P
			ASTM E23 – 2018	
			AWS D1.1 D1.1M :2020	
			ASME BPVC.VIII-1:2019	
			AWS B4:2016	
			API1104 :2013	
			API 5L46th Edition: 2018	
			ISO 148-1: 2016	
Physical/ Mechanical	Ferrous and Non- Ferrous Materials, Weldments	Bend Test 0-180 degree	AWS D1.1 D1.1M: 2020	P
			AWS B4:2016	
			ASME BPVC IX: 2019	
			ASTM A370: 20: Clause 15	
			ASTM E190 – 14	
			ASTM E290 - 14	
			API1104: 2013 + A1:2019	
			API 5L46th Edition: 2018	
			BS EN ISO 15614-1:2017+ A1:2019	
			BS EN ISO 5173: 2010+A1:2011	
			BS EN ISO 9606-1: 2017	
			BS EN ISO 9606-2: 2004	
AWS D17.1/D17.1M: 2017				

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Physical/ Mechanical	Ferrous and Non- Ferrous Materials, Weldments	Macro Test	AWS D1.1 D1.1M:2020	P
			AWS D1.6/D1.6M:2017	
			AWS B4:2016	
			ASME BPVC IX: 2019	
			API 5L 46th Edition:2018	
			BS EN ISO 15614-1:2017+ A1:2019	
			ASTM E340:2015	
			BS EN ISO 17639: 2013	
			BS EN ISO 9606-2: 2004	
			AWS D17.1/D17.1M: 2017	
Physical/ Mechanical	Ferrous and Non- Ferrous Materials, Weldments	Metallurgical analysis- Micro	ASTM E1351:01(2012)	S
			ASTM E407 :07 (2015)	P
			ISO 17639:2013	
			ASM handbook 9: 2004	
Chemical	Ferrous and Non- Ferrous Materials	Chemical Composition Analysis by using (Optical Emission Spectroscopy)	ASTM E415 – 17	P
			ASTM E1086 – 14	
Physical/Chemical	Ferrous and Non- Ferrous Materials, Weldments	Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution.	ASTM G 48-11(2020)e1, Method A	P
Physical/Chemical	Ferrous and Non- Ferrous Materials	Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels	ASTM A 262-15-Practice A	P
			ASTM A 262-15-Practice E	
END				