



# ACCREDITATION CERTIFICATE

**LB-TEST-266**

**Emirates International Accreditation Centre**

has accredited

**SEAH STEEL UAE LLC**

Al Ghail Industrial Park Zone of RAKIA

Ras Al Khaimah | United Arab Emirates

In accordance with the requirements of

**ISO/IEC 17025:2017**

General requirements for the competence of testing and calibration laboratories

to undertake the tests in the attached accreditation scope

This Accreditation is invalid without the attached accreditation scope and shall remain in force within the validity period printed below, subject to continuing compliance with the requirements of the accreditation criteria.

Validity: 01-11-2024 to 31-10-2027

Initial Accreditation Date: 01-11-2024



Amina Ahmed Mohammed  
CHIEF EXECUTIVE OFFICER



**Accreditation Scope**  
**LB-TEST-266**

**SeAH Steel UAE LLC**

**Al Ghail Industrial Park Zone of RAKIA**

**Ras Al Khaimah | United Arab Emirates**

**Date: 01-11-2024**

Accreditation History		
Issue no.	Details	Date
01	Granted accreditation From Emirates International Accreditation Centre EIAC	01-11-2024

**Accreditation Scope**  
**Metallurgical Testing**  
**LB-TEST-266**

**SeAH Steel UAE LLC**

**Al Ghail Industrial Park Zone of RAKIA**

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**Issue no.: 01**

**Date: 01-11-2024**

**Valid to: 31-10-2027**

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Steel Plates/ Pipes	Standard Test Methods and Definitions for Mechanical Testing of Steel Products Tension Test	ASTM A370
Mechanical Testing	Steel Plates/ Pipes	Standard Test Method for Tension testing of Metallic materials	ASTM E8/E8M
Mechanical Testing	Steel Plates/ Pipes	Metallic materials - Tensile testing Part 1: Method of test at room temperature	ISO 6892 Part 1
Mechanical Testing	Steel Plates/ Pipes	Standard Test Method for Knoop and Vickers Hardness of Materials	ASTM E92
Mechanical Testing	Steel Plates/ Pipes	Metallic materials - Vickers Hardness test Part 1: Test method	ISO 6507 Part 1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Steel Plates/ Pipes	Standard Test Methods for Notched Bar Impact Testing of Metallic Materials	ASTM E23
Mechanical Testing	Steel Plates/ Pipes	Standard Test Methods and Definitions for Mechanical Testing of Steel Products Charpy Impact Test	ASTM A370
Mechanical Testing	Steel Plates/ Pipes	Metallic materials — Charpy pendulum impact test Part 1: Test method	ISO 148 Part 1
Metallographic Testing	Steel Plates/ Pipes	Standard Guide for Preparation of Metallographic Specimens	ASTM E3
Metallographic Testing	Steel Plates/ Pipes	Standard Practice for Microetching Metals and Alloys	ASTM E407

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Metallographic Testing	Steel Plates/ Pipes	Metallography and Microstructures	ASM Handbook Vol. 9:2004
Metallographic Testing	Steel Plates/ Pipes	Standard Test Methods for Determining Average Grain Size Comparison Procedure	ASTM E112 Clause 10
Metallographic Testing	Steel Plates/ Pipes	Steels — Micrographic determination of the apparent grain size Assessment by comparison with standard grain size charts	ISO 643 Clause 7.1.2
Metallographic Testing	Steel Plates/ Pipes	Destructive tests on welds in metallic materials Macroscopic and microscopic examination of welds (Macroscopic only)	ISO 17639

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Steel Plates/ Pipes	Drop-Weight Tear Tests on Line Pipe	API Recommended Practice 5L3:14
Mechanical Testing	Weldments	Destructive tests on welds in metallic materials — Impact tests — Test specimen location, notch orientation and examination	ISO 9016
Mechanical Testing	Weldments	Structural Welding Code—Steel - Charpy Impact Testing (Part D)	AWS D1.1/D1.1M
Mechanical Testing	Weldments	Destructive tests on welds in metallic materials — Hardness testing Part 1: Hardness test on arc welded joints	ISO 9015 Part 1
Mechanical Testing	Weldments	Structural Welding Code—Steel - Reduced-Section Tension Test	AWS D1.1/D1.1M

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Weldments	Qualification Standard for Welding, Brazing, and Fusing Procedures; Welders; Brazers; and Welding, Brazing, and Fusing Operators Tension Test	ASME Sec IX, QW-153
Mechanical Testing	Weldments	Destructive tests on welds in metallic materials Transverse tensile test	ISO 4136

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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Weldments	Specification and qualification of welding procedures for metallic materials — Welding procedure test Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys - Transverse tensile test	ISO 15614 Part 1
Mechanical Testing	Weldments	Standard Test Method for Guided Bend Test for Ductility of Welds	ASTM E190
Mechanical Testing	Weldments	Standard Test Methods and Definitions for Mechanical Testing of Steel Products Transverse Guided Bend Test of Welds	ASTM A370



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Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Weldments	Line Pipe - Guided-bend Test	API Specification 5L
Mechanical Testing	Weldments	Destructive tests on welds in metallic materials — Bend tests	ISO 5173
Mechanical Testing	Weldments	Qualification Standard for Welding, Brazing, and Fusing Procedures; Welders; Brazers; and Welding, Brazing, and Fusing Operators Guided-bend Test	ASME Sec IX, QW-160
Chemical Testing	Plain Carbon & Low Alloy Steels	Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry: C, Si, Mn, S, P, Cr, Mo, Ni, Al, Cu, Ti, V, Nb, B	ASTM E415
	Ranges	C : 0.02-1.1 %	

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Type of Activity	Test Materials/Products	Test Name	Test Method
		Si : 0.02-1.18%	
		Mn: 0.03-1.67%	
		P : 0.001-0.08%	
		S : 0.001-0.05%	
		Cr : 0.007-3.03%	
		Mo : 0.007-0.98%	
		Ni : 0.006-4.13%	
		Al: 0.006-0.09%	
Chemical Testing	Plain Carbon & Low Alloy Steels	Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry: C, Si, Mn, S, P, Cr, Mo, Ni, Al, Cu, Ti, V, Nb, B	ASTM E415
	Ranges	Cu : 0.006-0.5%	
		Ti : 0.001-0.07%	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Testing	Plain Carbon & Low Alloy Steels/ Weldments	V : 0.003-0.3%	ASTM A751
		Nb: 0.003-0.12	
		B : 0.001-0.007%	
	Ranges	Standard Test Method and Practice for Chemical Analysis of Steel Products: By Spark Atomic Emission Spectrometry: C, Si, Mn, S, P, Cr, Mo, Ni, Al, Cu, Ti, V, Nb, B	ASTM A751
		C : 0.02-1.1 %	
		Si : 0.02-1.18%	
		Mn: 0.03-1.67%	
		P : 0.001-0.08%	
		S : 0.001-0.05%	
		Cr : 0.007-3.03%	
		Mo : 0.007-0.98%	
		Ni : 0.006-4.13%	

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Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical Testing		Al: 0.006-0.09%	ASTM A751
		Cu : 0.006-0.5%	
		Ti : 0.001-0.07%	
	Plain Carbon & Low Alloy Steels/ Weldments	Standard Test Method and Practice for Chemical Analysis of Steel Products: By Spark Atomic Emission Spectrometry: C, Si, Mn, S, P, Cr, Mo, Ni, Al, Cu, Ti, V, Nb, B	
	Ranges	Nb: 0.003-0.12 B : 0.001-0.007%	