



ACCREDITATION CERTIFICATE

122-LB-TEST

Emirates International Accreditation Centre

has accredited

LONESTAR TECHNICAL AND INDUSTRIAL SERVICES LLC

Abu Dhabi-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: 12/11/2019 to 21/06/2021

Initial Accreditation Date: 22/06/2015




CHIEF EXECUTIVE OFFICER
APPROVAL



Accreditation Scope

Metallurgical & Mechanical Testing

122-LB-TEST

Lonestar Technical and Industrial Services LLC

Abu Dhabi-United Arab Emirates

Issue no.: 03

Date: 12-11-2019

Valid to: 21-06-2021

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Metals, Alloys and Metal Products	Standard Test Methods and Definitions for Mechanical Testing of Steel Products Charpy Impact (-196°C & -40°C to ambient)	ASTM A370
		Standard Test Methods for Notched Bar Impact Testing of Metallic Materials Charpy Impact Test	ASTM E23
		Metallic materials. Charpy pendulum impact test. Part 1: Test method	BS EN ISO 148 Part 1
		Metallic materials Unified method of test for the determination of quasistatic fracture toughness CTOD(-196°C & -40°C to ambient)	ISO 12135

Accreditation Scope
Metallurgical & Mechanical Testing
122-LB-TEST

Lonestar Technical and Industrial Services LLC

Abu Dhabi-United Arab Emirates

Issue no.: 03

Date: 12-11-2019

Valid to: 21-06-2021

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Metals, Alloys and Metal Products	Metallic materials Method of test for the determination of quasistatic fracture toughness of welds CTOD(-196°C&-40°C to ambient)	BS EN ISO 15653
		Standard Test Methods for Brinell Hardness of Metallic Materials	ASTM E10
		Metallic materials - Brinell hardness test Part 1: Test method Brinell (HBW 1/10, 1/30, 2.5/62.5& 2.5/187.5)	BS EN ISO 6506 Part 1
		Standard Test Methods for Rockwell Hardness of Metallic Materials (HRC & HRBW)	ASTM E18
		Metallic materials- Rockwell hardness test Part 1: Test method (HRC&HRBW)	BS EN ISO 6508 Part 1

info@eiac.gov.ae

www.eiac.gov.ae

Accreditation Scope
Metallurgical & Mechanical Testing
122-LB-TEST

Lonestar Technical and Industrial Services LLC

Abu Dhabi-United Arab Emirates

Issue no.: 03

Date: 12-11-2019

Valid to: 21-06-2021

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Metals, Alloys and Metal Products	Standard Test Method for Knoop and Vickers Hardness of Materials- Vickers Hardness test Vickers (HV5, HV10 & HV30)	ASTM E92
		Metallic materials - Vickers hardness test Part 1: Test method Vickers (HV5, HV10 & HV30)	BS EN ISO 6507 Part 1
		Standard Test Methods for Tension Testing of Metallic Materials	ASTM E8/E8M
		Metallic materials. Tensile testing. Part 1: Method of test at ambient temperature Tensile (20 to 1000kN) (Ambient Temperature)	BS EN ISO 6892 Part 1 ASTM A370

Accreditation Scope
Metallurgical & Mechanical Testing
122-LB-TEST

Lonestar Technical and Industrial Services LLC

Abu Dhabi-United Arab Emirates

Issue no.: 03

Date: 12-11-2019

Valid to: 21-06-2021

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Weldments	Qualification standard for welding and brazing procedures, welders, brazers, and welding and brazing operators Charpy Impact (-196°C & -40°C to ambient)	ASME IX
		Standard Methods for Mechanical Testing of Welds (Metric Customary Units) Charpy Impact (-196°C & -40°C to ambient)	AWS B4.0M
		Structural Welding Code - Steel Charpy Impact (-196°C & -40°C to ambient)	AWS D1.1/ D1.1M

Accreditation Scope
Metallurgical & Mechanical Testing
122-LB-TEST

Lonestar Technical and Industrial Services LLC

Abu Dhabi-United Arab Emirates

Issue no.: 03

Date: 12-11-2019

Valid to: 21-06-2021

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Weldments	Standard Test Method for Guided Bend Test for Ductility of Welds Bend test	ASTM E190 API 1104 21 st Edition BS EN ISO 5173+A1 ASME IX
		Welding of Pipelines and Related Facilities Bend test	AWS B4.0M AWS D1.1/D1.1M
		Destructive tests on welds in metallic materials	
		Destructive tests on welds in metallic materials Hardness testing Part 1: Hardness test on arc welded joints Vickers (HV5, HV10 & HV30)	ASME IX AWS B4.0M AWS D1.1/D1.1M BS EN ISO 9015 Part 1
		Destructive tests on welds in metallic materials - Fracture test Fracture (Fillet & Nick break)	ASME IX AWS B4.0M AWS D1.1/D1.1M BS EN ISO 9017

Accreditation Scope
Metallurgical & Mechanical Testing
122-LB-TEST

Lonestar Technical and Industrial Services LLC

Abu Dhabi-United Arab Emirates

Issue no.: 03

Date: 12-11-2019

Valid to: 21-06-2021

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Weldments	Destructive tests on welds in metallic materials Macroscopic and microscopic examination of welds Macro examination	ASME IX BS EN ISO 17639 AWS D1.1/D1.1M
		Destructive tests on welds in metallic materials- Transverse tensile test Tensile (Ambient Temperature)	ASME IX AWS B4.0M AWS D1.1/D1.1M BS EN ISO 4136
	Carbon steel for the reinforcement of concrete	Specification for Carbon steel bars for the reinforcement of concrete Bend & Re-Bend	BS 4449:1997 AMD1
		Steel for the reinforcement of concrete. Weldable reinforcing steel. Bar, coil and decoiled product. Specification Bend & Re-Bend	BS 4449:2005+A3

Accreditation Scope
Metallurgical & Mechanical Testing
122-LB-TEST

Lonestar Technical and Industrial Services LLC

Abu Dhabi-United Arab Emirates

Issue no.: 03

Date: 12-11-2019

Valid to: 21-06-2021

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical Testing	Carbon steel for the reinforcement of concrete	Steel for the reinforcement and pre-stressing of concrete Part 1: Test methods. Reinforcing bars, wire rod and wire Bend & Re-Bend	BS EN ISO 15630 Part 1
		Tensile (Ambient Temperature)	BS 4449:1997 AMD1 BS 4449:2005+A3 BS EN ISO 15630 Part 1
Chemical	Plain carbon & low alloy steels	Determination of C, Si, Mn, P, S, Cr, Mo, Ni, Al, Cu, N, V, Nb & Ti	CHM-SOP-117 Documented In-house method
	Stainless & high alloy steels	Determination of C, Si, Mn, P, S, Cr, Mo, Ni, Cu, N & V	CHM-SOP-138 Documented In-house method
	Pipe line & pressure vessel steels	Standard Test Method - Evaluation of Pipeline and Pressure Vessel Steels for Resistance to Hydrogen-Induced Cracking (HIC)	NACE TM 0284

info@eiac.gov.ae

www.eiac.gov.ae

Accreditation Scope
Metallurgical & Mechanical Testing
122-LB-TEST

Lonestar Technical and Industrial Services LLC

Abu Dhabi-United Arab Emirates

Issue no.: 03

Date: 12-11-2019

Valid to: 21-06-2021

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Austenitic stainless steels	Standard Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels Inter-granular corrosion	ASTM A262 Practice A, B, C and E
	Wrought nickel and chromium bearing alloys	Standard Test Methods for Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys Inter-granular corrosion	ASTM G28 Method A
	Stainless steels, Nickel base and chromium bearing alloys	Standard Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution-Pitting resistance	ASTM G48 Method A
	Nickel base and chromium bearing alloys	Critical pitting temperature	ASTM G48 Method C
	Stainless steels	Critical pitting temperature	ASTM G48 Method E

Accreditation Scope

Metallurgical & Mechanical Testing

122-LB-TEST

Lonestar Technical and Industrial Services LLC

Abu Dhabi-United Arab Emirates

Issue no.: 03

Date: 12-11-2019

Valid to: 21-06-2021

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Metals, Alloys & Weldments	Laboratory Testing of Metals for Resistance to Sulfide Stress Cracking and Stress Corrosion Cracking in H ₂ S Environments	NACE TM 0177
		Standard Practice for Preparation and Use of Bent-Beam Stress-Corrosion Test Specimens	ASTM G39 NACE TM 0177
		Corrosion Test Sulfide Stress Cracking & Stress Corrosion Cracking	ASTM G39 NACE TM 0177

Accreditation Scope

Metallurgical & Mechanical Testing

122-LB-TEST

Lonestar Technical and Industrial Services LLC

Abu Dhabi-United Arab Emirates

Issue no.: 03

Date: 12-11-2019

Valid to: 21-06-2021

Type of Activity	Test Materials/Products	Test Name	Test Method
Chemical	Metals, Alloys & Weldments	A test method to determine the susceptibility to cracking of line pipe steels in sour service (Full Ring Test) Excluding NDT	HSE OTI 95 635 By copies Ltd. for the Health and Safety Executive

Accreditation History		
Issue no.	Details	Date
03	First issuance under the name of EIAC (which was formerly known as DAC) and comply with ISO/IEC 17025:2017	12/11/2019