


Metallabs - Applied Metallurgy Ltd. Privet company No. 515534220 Address: Berl Katsanelson 13 St. Ashkelon 7862313, Israel Tel. +972-525912775, 077-324-80-40 Fax: 077-700-27-46 Email: info@metallabs.co.il Web Site: www.metallabs.co.il		מטאלבס - מטלורגיה שימושית בע"מ מספר ח.פ. : 515534220 כתובת: ברל כצנלסון 13, אשקלון 7862313, ישראל טלפון: 077-324-80-40 052-5912775 פקס: 077-700-27-46 מייל: info@metallabs.co.il אתר: www.metallabs.co.il
--	---	---



ISRAC
Israel Laboratory
Accreditation
Authority
ISO/IEC 17025
No. 373

Date: 15.03.2021

Metallabs Test Report No: 210123

Accreditation for ISO/IEC 17025-2017

Company Name	Contact Name	Contact Details
T.S. Metal LTD	Talal Abo Kartome	talalabokartome@gmail.com

Part Description	Welded Pipe Ø4"	Other	
		WPS No.	WPS 1001
Material	A/SA-312 TP316L Stainless Steel	Welder Name	Elias Ibrahim
		Welder ID	40629560
		Welding Process	GTAW
Dimensions	Diameter: Ø4" Wall Thickness: 6.02 mm	Weld No.	-
		Electrode	-
		PWHT	-
Other Description	According to ASME IX		

Test No.	Tests Performed	Number of Specimens	Standard	Requirements	Comments
1	Tensile Test	2	ASTM E8-16a ASME IX-2019	ASME IX-2019	-
2	Bending test	4	ASME IX-2019	ASME IX-2019	-

The test conditions and results are detailed further

Conclusions	1. The tensile test and the bending test results comply with ASME IX-2019 standard requirements.
--------------------	---


Prepared by: Peter Geltser
Laboratory Manager

All tests performed at Berl
Katsanelson 13 St. Ashkelon,
Israel at Room Temp.:
24±5°C ; Humidity: 40±20%

Approved by: Zohar Natan
Quality Manager

Test report No. 210123	T.S. Metal LTD	עמוד 1 מתוך 2
Form No. 0	Version 3 Date: 27/11/18: תאריך	טופס מס. 0

For all purposes, only the original of this report is valid. Facsimile copies or by E-Mails are for "ADVANCED INFORMATION ONLY". This report can not be reproduced without Metallabs's written approval, except in full. This document must be referred to entirely and copying of any part of it to other documents is forbidden. The recording of false, fictitious, or fraudulent statements or entries on the test report may be punished as a felony under state law. All results apply to the samples as received
Conformity or nonconformity of the results with customer or standard requirements is based on the uncertainty of the results, detailed in the table at the end of the report with a certainty of 95%.
ISRAC is not responsible for the testing results conducted by the laboratory and the laboratory's accreditation is not considered as an approval of ISRAC or a different party related to the assessed.
The use of ISRAC symbol relates to tests which are included in the organization scope of accreditation, and performed according to the accreditation rules as detailed in the accreditation certificate.

Metallabs - Applied Metallurgy Ltd. Privet company No. 515534220 Address: Berl Katsanelson 13 St. Ashkelon 7862313, Israel Tel. +972-525912775, 077-324-80-40 Fax: 077-700-27-46 Email: info@metallabs.co.il Web Site: www.metallabs.co.il		מטאלבס - מטלורגיה שימושית בע"מ מספר ח.פ. : 515534220 כתובת : ברל כצנלסון 13, אשקלון 7862313, ישראל טלפון : 052-5912775 077-324-80-40 פקס : 077-700-27-46 מייל : info@metallabs.co.il אתר : www.metallabs.co.il
--	---	--

1. Test Results

1.1. Tensile Test

The test was performed using Shimadzu tensile test machine, according to ASTM E8-16a standard.
The test was conducted on specimens that were prepared in according to ASME IX-2019 standard.
The tests were carried out under ISRAC's accreditation. The test results are detailed in Table 1:

Table 1: Tensile Test Results

Specimen	Width [mm]	Thickness [mm]	Max Force [kN]	U.T.S [MPa]	Location of Break
T1	18.98	6.26	70.010	590	Base Metal
T2	18.99	6.40	73.982	610	Base Metal
ASME IX-2019 Standard Req. for A/SA-312 TP316L Stainless Steel, Min.	-	-	-	485	-

1.2. Bending Test

The bending test was performed on standard specimens in accordance with ASME IX-2019 standard.
The tests were carried out under ISRAC's accreditation.
The test details and results are shown in Table 2:

Table 2: Bending Test Results

Specimen	Specimen Width [mm]	Mandrel Diameter [mm]	Distance Between Rollers [mm]	Defect Size [mm]	Results
Face Bend 1	38	24	39.2	-	Pass
Face Bend 2				-	Pass
Root Bend 1				-	Pass
Root Bend 2				-	Pass

End of Document

Test report No. 210123	T.S. Metal LTD	עמוד 2 מתוך 2
Form No. 0	Version 3 תאריך: 27/11/18	טופס מס. 0
For all purposes, only the original of this report is valid. Facsimile copies or by E-Mails are for "ADVANCED INFORMATION ONLY". This report can not be reproduced without Metallabs's written approval, except in full. This document must be referred to entirely and copying of any part of it to other documents is forbidden. The recording of false, fictitious, or fraudulent statements or entries on the test report may be punished as a felony under state law. All results apply to the samples as received Conformity or nonconformity of the results with customer or standard requirements is based on the uncertainty of the results, detailed in the table at the end of the report with a certainty of 95%. ISRAC is not responsible for the testing results conducted by the laboratory and the laboratory's accreditation is not considered as an approval of ISRAC or a different party related to the assessed. The use of ISRAC symbol relates to tests which are included in the organization scope of accreditation, and performed according to the accreditation rules as detailed in the accreditation certificate.		