



MOREX 71 LTD

מורקס 71 בע"מ

INSTITUTE FOR NON DESTRUCTIVE TESTING
 NDT service, research & development.
 Personnel qualification & certification
 מכון לבדיקות לא הרסות
 שרות, יעוץ, מחקר, פיתוח, פיקוח, הכשרה והסמכה

QUALIFICATION TEST RECORD No. 7977/16

Name SHMIRER YOAN I.D. 069543833 From: ARDONAN LTD

Welding procedure ARD 0002 Welder Welding operation Welder No. 833

A. TEST WELD

Base metal description AL 6061 Group No. IV

Welding process GTAW Single weld Double weld

Current AC DCEN DCEP Backing: Yes No

Vertical Down Up Penetration: Complete Partial

	Position					Dimension, mm	
Sheet groove	1G <input type="checkbox"/>	2G <input type="checkbox"/>	3G <input checked="" type="checkbox"/>	4G <input type="checkbox"/>		t	<u>2.0</u>
Tube groove	1G <input type="checkbox"/>	2G <input type="checkbox"/>	5G <input type="checkbox"/>	6G <input type="checkbox"/>	O.D.	t	
Sheet fillet	1F <input type="checkbox"/>	2F <input type="checkbox"/>	3F <input type="checkbox"/>	4F <input type="checkbox"/>		t	
Tube fillet	1F <input type="checkbox"/>	2F <input type="checkbox"/>	4F <input type="checkbox"/>	5F <input type="checkbox"/>	O.D.	t	

B. TEST RESULTS

Visual	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	
Radiographic	NA <input type="checkbox"/>	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/> Report No. 8229939/16
Bend	NA <input checked="" type="checkbox"/>	Pass <input type="checkbox"/>	Fail <input type="checkbox"/> Report No
Metallographic	NA <input checked="" type="checkbox"/>	Pass <input type="checkbox"/>	Fail <input type="checkbox"/> Report No
Penetration	NA <input checked="" type="checkbox"/>	Pass <input type="checkbox"/>	Fail <input type="checkbox"/> Report No

C. QUALIFIED

	Position					t, mm		O.D. mm	
	1G	2G	3G	4G	5G	Min.	Max.	Min.	Max.
Sheet groove	1G <input checked="" type="checkbox"/>	2G <input type="checkbox"/>	3G <input checked="" type="checkbox"/>	4G <input type="checkbox"/>		1.34	8.0		
Tube groove	1G <input checked="" type="checkbox"/>	2G <input type="checkbox"/>	5G <input type="checkbox"/>			1.34	8.0	1"	Unlimited
Sheet fillet	1F <input checked="" type="checkbox"/>	2F <input checked="" type="checkbox"/>	3F <input checked="" type="checkbox"/>	4F <input type="checkbox"/>		1.34	8.0		
Tube fillet	1F <input checked="" type="checkbox"/>	2F <input type="checkbox"/>	4F <input type="checkbox"/>	5F <input type="checkbox"/>		1.34	8.0		

The above named individual is qualified in accordance with AWS D17.1-2010 within the above limits for the welding process used for this test weld.

Date of test weld 28.03.16

Signed by A. Pessach
 Qualifier

Expire Date 28.03.18



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QUALIFICATION TEST RECORD No. 7984/16

Name SHMIRER YOAN

I.D. 069543833

From: ARDONAN LTD

Welding procedure ARD 0004

Welder Welding operation Welder No. 833

A. TEST WELD

Base metal description ST 37 / ST 52 Group No. IA

Welding process GTAW Single weld Double weld

Current AC DCEN DCEP Backing: Yes No

Vertical Down Up Penetration: Complete Partial

	Position					Dimension, mm	
Sheet groove	1G <input type="checkbox"/>	2G <input type="checkbox"/>	3G <input checked="" type="checkbox"/>	4G <input type="checkbox"/>		t	<u>2.0</u>
Tube groove	1G <input type="checkbox"/>	2G <input type="checkbox"/>	5G <input type="checkbox"/>	6G <input type="checkbox"/>	O.D.	t	
Sheet fillet	1F <input type="checkbox"/>	2F <input type="checkbox"/>	3F <input type="checkbox"/>	4F <input type="checkbox"/>		t	
Tube fillet	1F <input type="checkbox"/>	2F <input type="checkbox"/>	4F <input type="checkbox"/>	5F <input type="checkbox"/>	O.D.	t	

B. TEST RESULTS

Visual	Pass	<input checked="" type="checkbox"/>	Fail	<input type="checkbox"/>	
Radiographic	NA	<input type="checkbox"/>	Pass	<input checked="" type="checkbox"/>	Fail <input type="checkbox"/> Report No. 8229930/16
Bend	NA	<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail <input type="checkbox"/> Report No
Metallographic	NA	<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail <input type="checkbox"/> Report No
Penetration	NA	<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail <input type="checkbox"/> Report No

C. QUALIFIED

Base Group No. IA Single weld Double weld

Current AC DCEN DCEP Backing: Yes No

Vertical Down Up Penetration: Complete Partial

	Position					t, mm		O.D. mm	
	1G	2G	3G	4G	5G	Min.	Max.	Min.	Max.
Sheet groove	1G <input checked="" type="checkbox"/>	2G <input type="checkbox"/>	3G <input checked="" type="checkbox"/>	4G <input type="checkbox"/>		1.34	8.0		
Tube groove	1G <input checked="" type="checkbox"/>	2G <input type="checkbox"/>	5G <input type="checkbox"/>			1.34	8.0	1"	Unlimited
Sheet fillet	1F <input checked="" type="checkbox"/>	2F <input checked="" type="checkbox"/>	3F <input checked="" type="checkbox"/>	4F <input type="checkbox"/>		1.34	8.0		
Tube fillet	1F <input checked="" type="checkbox"/>	2F <input type="checkbox"/>	4F <input type="checkbox"/>	5F <input type="checkbox"/>		1.34	8.0		

The above named individual is qualified in accordance with AWS D17.1-2010 within the above limits for the welding process used for this test weld.

Date of test weld 28.03.16

Signed by A. Pessach
 Qualifier

Expire Date 28.03.18



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QUALIFICATION TEST RECORD No. 7982/16

Name SHMIRER YOAN I.D. 069543833 From: ARDONAN LTD
 Welding procedure ARD 0005 Welder Welding operation Welder No. 833

A. TEST WELD

Base metal description SS 304L Group No. II A
 Welding process GTAW Single weld Double weld
 Current AC DCEN DCEP Backing: Yes No
 Vertical Down Up Penetration: Complete Partial

	Position				Dimension, mm	
Sheet groove	1G	2G	3G	4G	t	<u>2.0</u>
Tube groove	1G	2G	5G	6G	O.D.	<u> </u>
Sheet fillet	1F	2F	3F	4F	t	<u> </u>
Tube fillet	1F	2F	4F	5F	O.D.	<u> </u>

B. TEST RESULTS

Visual Pass Fail
 Radiographic NA Pass Fail Report No. 8229930/16
 Bend NA Pass Fail Report No
 Metallographic NA Pass Fail Report No
 Penetration NA Pass Fail Report No

C. QUALIFIED

Base Group No. II A Single weld Double weld
 Current AC DCEN DCEP Backing: Yes No
 Vertical Down Up Penetration: Complete Partial

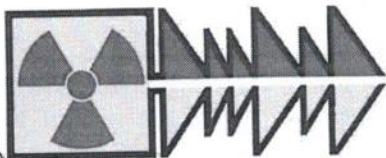
	Position				t, mm		O.D. mm	
					Min.	Max.	Min.	Max.
Sheet groove	1G	2G	3G	4G	1.34	8.0		
Tube groove	1G	2G	5G		1.34	8.0	1"	Unlimited
Sheet fillet	1F	2F	3F	4F	1.34	8.0		
Tube fillet	1F	2F	4F	5F	1.34	8.0		

The above named individual is qualified in accordance with AWS D17.1-2010 within the above limits for the welding process used for this test weld.

Date of test weld 28.03.16

Signed by A. Pessach
 Qualifier

Expire Date 28.03.18



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QUALIFICATION TEST RECORD No. 7981/16

Name SAAD MASUD

I.D. 056935117

From: ARDONAN LTD

Welding procedure ARD 0005

Welder Welding operation Welder No. 117

A. TEST WELD

Base metal description SS 304L Group No. II A

Welding process GTAW Single weld Double weld

Current AC DCEN DCEP Backing: Yes No

Vertical Down Up Penetration: Complete Partial

	Position					Dimension, mm	
Sheet groove	1G <input checked="" type="checkbox"/>	2G <input type="checkbox"/>	3G <input type="checkbox"/>	4G <input type="checkbox"/>		t	<u>2.0</u>
Tube groove	1G <input type="checkbox"/>	2G <input type="checkbox"/>	5G <input type="checkbox"/>	6G <input type="checkbox"/>	O.D.	t	
Sheet fillet	1F <input type="checkbox"/>	2F <input type="checkbox"/>	3F <input type="checkbox"/>	4F <input type="checkbox"/>		t	
Tube fillet	1F <input type="checkbox"/>	2F <input type="checkbox"/>	4F <input type="checkbox"/>	5F <input type="checkbox"/>	O.D.	t	

B. TEST RESULTS

Visual	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	
Radiographic	NA <input type="checkbox"/>	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/> Report No. 8229930/16
Bend	NA <input checked="" type="checkbox"/>	Pass <input type="checkbox"/>	Fail <input type="checkbox"/> Report No
Metallographic	NA <input checked="" type="checkbox"/>	Pass <input type="checkbox"/>	Fail <input type="checkbox"/> Report No
Penetration	NA <input checked="" type="checkbox"/>	Pass <input type="checkbox"/>	Fail <input type="checkbox"/> Report No

C. QUALIFIED

Base Group No. II A Single weld Double weld

Current AC DCEN DCEP Backing: Yes No

Vertical Down Up Penetration: Complete Partial

	Position					t, mm		O.D. mm	
	1G	2G	3G	4G	Min.	Max.	Min.	Max.	
Sheet groove	1G <input checked="" type="checkbox"/>	2G <input type="checkbox"/>	3G <input type="checkbox"/>	4G <input type="checkbox"/>	1.34	8.0			
Tube groove	1G <input checked="" type="checkbox"/>	2G <input type="checkbox"/>	5G <input type="checkbox"/>		1.34	8.0	1"	Unlimited	
Sheet fillet	1F <input checked="" type="checkbox"/>	2F <input checked="" type="checkbox"/>	3F <input type="checkbox"/>	4F <input type="checkbox"/>	1.34	8.0			
Tube fillet	1F <input checked="" type="checkbox"/>	2F <input type="checkbox"/>	4F <input type="checkbox"/>	5F <input type="checkbox"/>	1.34	8.0			

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Date of test weld 28.03.16

Signed by A. Dessach
 Qualifier

Expire Date 28.03.18



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QUALIFICATION TEST RECORD No. 7983/16

Name SAAD MASUD I.D. 056935117 From: ARDONAN LTD

Welding procedure ARD 0004 Welder Welding operation Welder No. 117

A. TEST WELD

Base metal description ST 37 / ST 52 Group No. IA

Welding process GTAW Single weld Double weld

Current AC DCEN DCEP Backing: Yes No

Vertical Down Up Penetration: Complete Partial

	Position					Dimension, mm	
Sheet groove	1G <input type="checkbox"/>	2G <input type="checkbox"/>	3G <input checked="" type="checkbox"/>	4G <input type="checkbox"/>		t	<u>2.0</u>
Tube groove	1G <input type="checkbox"/>	2G <input type="checkbox"/>	5G <input type="checkbox"/>	6G <input type="checkbox"/>	O.D.	t	
Sheet fillet	1F <input type="checkbox"/>	2F <input type="checkbox"/>	3F <input type="checkbox"/>	4F <input type="checkbox"/>		t	
Tube fillet	1F <input type="checkbox"/>	2F <input type="checkbox"/>	4F <input type="checkbox"/>	5F <input type="checkbox"/>	O.D.	t	

B. TEST RESULTS

Visual	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>	
Radiographic	NA <input type="checkbox"/>	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/> Report No. 8229930/16
Bend	NA <input checked="" type="checkbox"/>	Pass <input type="checkbox"/>	Fail <input type="checkbox"/> Report No
Metallographic	NA <input checked="" type="checkbox"/>	Pass <input type="checkbox"/>	Fail <input type="checkbox"/> Report No
Penetration	NA <input checked="" type="checkbox"/>	Pass <input type="checkbox"/>	Fail <input type="checkbox"/> Report No

C. QUALIFIED

Base Group No. IA Single weld Double weld

Current AC DCEN DCEP Backing: Yes No

Vertical Down Up Penetration: Complete Partial

	Position				t, mm		O.D. mm	
	1G	2G	3G	4G	Min.	Max.	Min.	Max.
Sheet groove	1G <input checked="" type="checkbox"/>	2G <input type="checkbox"/>	3G <input checked="" type="checkbox"/>	4G <input type="checkbox"/>	1.34	8.0		
Tube groove	1G <input checked="" type="checkbox"/>	2G <input type="checkbox"/>	5G <input type="checkbox"/>		1.34	8.0	1"	Unlimited
Sheet fillet	1F <input checked="" type="checkbox"/>	2F <input checked="" type="checkbox"/>	3F <input checked="" type="checkbox"/>	4F <input type="checkbox"/>	1.34	8.0		
Tube fillet	1F <input checked="" type="checkbox"/>	2F <input type="checkbox"/>	4F <input type="checkbox"/>	5F <input type="checkbox"/>	1.34	8.0		

The above named individual is qualified in accordance with AWS D17.1-2010 within the above limits for the welding process used for this test weld.

Date of test weld 28.03.16

Signed by A. Pessach
 Qualifier

Expire Date 28.03.18



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QUALIFICATION TEST RECORD No. 7976/16

Name SAAD MASUD I.D. 056935117 From: ARDONAN LTD
 Welding procedure ARD 0002 Welder Welding operation Welder No. 117

A. TEST WELD

Base metal description AL 6061 Group No. IV
 Welding process GTAW Single weld Double weld
 Current AC DCEN DCEP Backing: Yes No
 Vertical Down Up Penetration: Complete Partial

	Position				Dimension, mm	
Sheet groove	1G <input type="checkbox"/>	2G <input type="checkbox"/>	3G <input checked="" type="checkbox"/>	4G <input type="checkbox"/>	t	<u>2.0</u>
Tube groove	1G <input type="checkbox"/>	2G <input type="checkbox"/>	5G <input type="checkbox"/>	6G <input type="checkbox"/>	O.D.	<u> </u>
Sheet fillet	1F <input type="checkbox"/>	2F <input type="checkbox"/>	3F <input type="checkbox"/>	4F <input type="checkbox"/>	t	<u> </u>
Tube fillet	1F <input type="checkbox"/>	2F <input type="checkbox"/>	4F <input type="checkbox"/>	5F <input type="checkbox"/>	O.D.	<u> </u>

B. TEST RESULTS

Visual	Pass	<input checked="" type="checkbox"/>	Fail	<input type="checkbox"/>	
Radiographic	NA	<input type="checkbox"/>	Pass	<input checked="" type="checkbox"/>	Fail <input type="checkbox"/> Report No. 8229939/16
Bend	NA	<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail <input type="checkbox"/> Report No
Metallographic	NA	<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail <input type="checkbox"/> Report No
Penetration	NA	<input checked="" type="checkbox"/>	Pass	<input type="checkbox"/>	Fail <input type="checkbox"/> Report No

C. QUALIFIED

Base Group No. IV Single weld Double weld
 Current AC DCEN DCEP Backing: Yes No
 Vertical Down Up Penetration: Complete Partial

	Position				t, mm		O.D. mm	
					Min.	Max.	Min.	Max.
Sheet groove	1G <input checked="" type="checkbox"/>	2G <input type="checkbox"/>	3G <input checked="" type="checkbox"/>	4G <input type="checkbox"/>	1.34	8.0		
Tube groove	1G <input checked="" type="checkbox"/>	2G <input type="checkbox"/>	5G <input type="checkbox"/>		1.34	8.0	1"	Unlimited
Sheet fillet	1F <input checked="" type="checkbox"/>	2F <input checked="" type="checkbox"/>	3F <input checked="" type="checkbox"/>	4F <input type="checkbox"/>	1.34	8.0		
Tube fillet	1F <input checked="" type="checkbox"/>	2F <input type="checkbox"/>	4F <input type="checkbox"/>	5F <input type="checkbox"/>	1.34	8.0		

The above named individual is qualified in accordance with AWS D17.1-2010 within the above limits for the welding process used for this test weld.

Date of test weld 28.03.16

Signed by A. Pessach
 Qualifier

Expire Date 28.03.18