

Abrar Anees

Test Performed By:

Dr. /Engr.

M Irfan UI Hassan

Site Supervisor, Resheed & Brothers (Project: Park House Firdous Market, Gulberg, Lahore)

Client Reference: nil

SOM Lab

4196(Page-

Ref:

1/1)

Dated: 14-04-2021

Dated:

14-04-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage Length: 8 inch

Sample Type:

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.478	6	0.743	0.44	0.434	15.49	19.44	77670	78740	97440	98790	1.20	8.0	15.0	
2	1.462	6	0.740	0.44	0.430	14.14	18.06	70870	72520	90540	92650	1.00	8.0	12.5	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Ahmed Ejaz  
Assistant Quantity Surveyor, LINKER, Lahore

Test Performed By: Dr. /Engr. S. Asad Ali Gillani

Client Reference: nil

SOM Lab 4197(Page-

Ref: 1/1)

Dated: 14-04-2021

Dated: 14-04-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.674	8	1.000	0.79	0.786	23.04	36.85	64320	64640	102880	103400	1.10	8.0	13.8	
2	2.677	8	1.001	0.79	0.787	23.01	36.90	64230	64480	103020	103410	1.60	8.0	20.0	
3	1.465	6	0.741	0.44	0.431	12.71	20.00	63720	65050	100250	102340	1.10	8.0	13.8	
4	1.472	6	0.743	0.44	0.433	13.97	20.25	70000	71130	101530	103170	1.20	8.0	15.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Sub Divisional Officer,  
Building Sub Division, Assembly, Lahore

Test Performed By: Dr. /Engr. S. Asad Ali Gillani

Client Reference: 280-

SOM Lab 4198 (Page-

Ref: 1/1)

Dated: 12-04-2021

Dated: 14-04-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.654	8	0.997	0.79	0.780	24.69	34.71	68930	69810	96900	98140	1.30	8.0	16.3	
2	2.641	8	0.994	0.79	0.776	24.64	34.88	68790	70030	97380	99140	1.50	8.0	18.8	
3	1.478	6	0.743	0.44	0.434	11.90	18.98	59630	60450	95140	96460	1.50	8.0	18.8	
4	1.470	6	0.742	0.44	0.432	12.66	19.57	63460	64640	98100	99920	1.40	8.0	17.5	
5	0.664	4	0.498	0.20	0.195	6.22	8.82	68570	70330	97230	99730	1.30	8.0	16.3	
6	0.662	4	0.498	0.20	0.195	6.09	8.77	67110	68830	96670	99150	1.30	8.0	16.3	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Resident Engineer  
AZ Engineering Associates, Gujrat Residency

Test Performed By: Dr. /Engr. S. Asad Ali Gillani

Client Reference: RE AZEA/GT-120

SOM Lab 4199 (Page-1/1)  
Ref:

Dated: 08-04-2021

Dated: 14-04-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Depormed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.650	8	0.996	0.79	0.779	23.87	32.44	66650	67590	90550	91830	1.40	8.0	17.5	
2	2.657	8	0.997	0.79	0.781	23.60	32.36	65880	66640	90360	91400	1.40	8.0	17.5	
3	1.554	6	0.763	0.44	0.457	14.85	20.39	74450	71680	102190	98390	1.30	8.0	16.3	
4	1.533	6	0.758	0.44	0.451	14.83	20.41	74350	72530	102290	99800	1.20	8.0	15.0	
5	0.679	4	0.505	0.20	0.200	6.29	8.87	69360	69360	97800	97800	1.30	8.0	16.3	
6	0.683	4	0.506	0.20	0.201	6.17	8.79	68010	67670	96900	96420	1.40	8.0	17.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

M. Nadeem Zafarullah

**Test Performed By:**

Dr. /Engr.

S. Asad Ali Gillani

Incharge (Civil) For Managing Director, Sui Northern Gas Pipelines Ltd. Lahore

**Client Reference:** CC/DMIS/MLN

**SOM Lab**

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**Ref:**

1/1)

**Dated:** 14-04-2021

**Dated:**

14-04-2021

**Test:** Tension Test

**Test Specification:**

ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:**

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.609	8	0.988	0.79	0.767	21.41	31.62	59760	61560	88280	90930	1.50	8.0	18.8	
2	2.605	8	0.988	0.79	0.766	21.51	31.72	60050	61930	88560	91340	1.60	8.0	20.0	
3	1.413	6	0.727	0.44	0.415	13.63	17.74	68320	72430	88910	94260	1.30	8.0	16.3	
4	1.408	6	0.726	0.44	0.414	13.65	17.45	68420	72710	87480	92970	1.30	8.0	16.3	
5	1.008	5	0.614	0.31	0.296	9.35	12.23	66500	69650	87030	91140	1.40	8.0	17.5	
6	1.008	5	0.614	0.31	0.296	9.35	12.51	66500	69650	88990	93190	1.40	8.0	17.5	
7	0.676	4	0.503	0.20	0.199	6.52	8.36	71940	72310	92180	92640	1.20	8.0	15.0	
8	0.675	4	0.502	0.20	0.198	6.49	8.41	71610	72330	92740	93680	1.20	8.0	15.0	
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**Witnessed By:**

Shahzad Arshad, Sub Engineer, (NNGPL)

**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Eight Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

M. Siddique Sons  
Building Contractor, Lahore

Test Performed By: Dr. /Engr. M. Irfan UI Hassan

Client Reference: Nil

SOM Lab 4186 (Page-1/3)

Dated: 14-04-2021

Dated: 14-04-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar( AFCCO Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.468	8	0.961	0.79	0.725	20.18	30.30	56350	61400	84580	92160	1.30	8.0	16.3	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

M. Siddique Sons  
Building Contractor, Lahore

Test Performed By: Dr. /Engr. M. Irfan UI Hassan

Client Reference: Nil

SOM Lab 4186 (Page-2/3)

Dated: 14-04-2021

Dated: 14-04-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar( AFCCO Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.455	6	0.738	0.44	0.428	13.66	17.99	68470	70390	90180	92710	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

M. Siddique Sons  
Building Contractor, Lahore

Test Performed By: Dr. /Engr. M. Irfan UI Hassan

Client Reference: Nil

SOM Lab 4186 (Page-3/3)  
Ref: 3/3)

Dated: 14-04-2021

Dated: 14-04-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar( AFCCO Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.665	4	0.498	0.20	0.195	7.34	9.35	80940	83010	103080	105720	1.00	8.0	12.5	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)



Muhammad Nadeem  
Civic Center, 61 - Sabza Zar Multan Road, Lahore

Test Performed By: Dr. /Engr. M Irfan UI Hassan

Client Reference: nil

SOM Lab 4202(Page-

Ref: 1/1)

Dated: 14-04-2021

Dated: 14-04-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Guage Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.294	6	0.696	0.44	0.380	10.16	16.18	50940	58990	81090	93890	1.00	8.0	12.5	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)