

Khadim Ali, Civil Engr

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

Nishat Group.(Const Of Warping & Size Unit # 22 at Nishat Mills 12 Km Faisalabad Road,Bhikhi)

4653 (Page-1/1)

Client Reference: NP/A-TEST/22

SOM Lab Ref:

Dated: 16-08-2024

Dated:

20-08-2024

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS Def 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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.872	25	25.05	491	493	232.00	332.20	473	471	677	674	35.0	200	17.5	
2	3.820	25	24.89	491	487	237.50	337.70	484	489	688	695	30.0	200	15.0	
3	2.303	20	19.33	314	293	157.00	210.50	500	536	670	718	30.0	200	15.0	
4	2.305	20	19.34	314	294	155.00	208.70	494	528	665	711	27.5	200	13.8	
5	0.895	12	12.05	113	114	53.50	70.00	473	470	619	614	22.5	200	11.3	
6	0.888	12	12.00	113	113	54.70	73.00	484	484	646	646	25.0	200	12.5	
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**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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)

Test Performed by: S. Asad Ali Gillani

Hafiz Abdul Sami  
Huffaz Corporation (Pvt) Ltd.  
Lahore.

Client Reference No.: Nil

Dated: 20-08-2024

SOM Lab Ref: CED/SOM/4655 (Page 1/1)

Dated: 20-08-2024

Test Type: U Bend Test

Sample Type: Seamless Pipe (Size 1 Inch Sch-40)

### Bend Test Results

Sample No.	Sample Type	Test Type	Results/Remarks
1	Seamless Pipe (Size 1 Inch Sch-40)	U Bend Test at 180 Degrees with Centre to Centre Radius 38mm	Sample bend through 180 degrees Satisfactorily without any crack

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

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Director Projects Sheikhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil

Dated: 19-08-2024

SOM Lab Ref: CED/SOM/4656(Page-1/2)

Dated: 20-08-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Sheikhoo Steel)

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.800	25	24.82	491	484	229.20	324.00	467	474	660	670	37.5	200	18.8	
2	2.439	20	19.89	314	311	154.00	209.20	490	496	666	674	37.5	200	18.8	
3	1.554	16	15.88	201	198	94.00	134.00	468	475	666	677	30.0	200	15.0	
4	0.874	12	11.91	113	111	54.50	74.50	482	490	659	670	30.0	200	15.0	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Four 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)

Adnan Jamil (Civil Engineer)

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

National Management Foundation Lhr.(Const. of Yusaf Shirazi Complex at Lums Campus)

Client Reference: NMF/GM/C-39/867

Dated: 16-08-2024

SOM Lab Ref: CED/SOM/4657(Page-1/1)

Dated: 20-08-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.931	25	25.26	491	501	254.50	328.00	518	508	668	655	37.5	200	18.8	
2	3.941	25	25.28	491	502	249.50	321.00	508	498	654	640	35.0	200	17.5	
3	2.196	20	18.87	314	280	148.00	184.70	471	530	588	661	30.0	200	15.0	
4	2.184	20	18.82	314	278	148.20	186.00	472	533	592	669	40.0	200	20.0	
5	0.992	12	12.68	113	126	66.20	87.20	585	525	771	691	22.5	200	11.3	
6	0.992	12	12.68	113	126	65.70	83.70	581	521	740	663	25.0	200	12.5	
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**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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)

Qaiser Aziz

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Site Engr OZ Developers Lahore.(Const a High-rise Building Bahria Sky at Bahria Orchard ph-4 Lhr)

Client Reference: Nil

SOM Lab

Ref: 4654 (Page-1/1)

Dated: 20-08-2024

Dated: 20-08-2024

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	1.493	6	0.748	0.44	0.439	14.22	19.11	71280	71440	95800	96020	1.40	8.0	17.5	
2	1.504	6	0.750	0.44	0.442	13.58	19.16	68060	67750	96060	95630	1.50	8.0	18.8	
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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)

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Director Projects Sheikhoo Sugar Mills (Steel Div) Anwar Abad Kot Addu, Muzaffargarh.

Client Reference: Nil

SOM Lab

Ref:

4656 (Page-2/2)

Dated: 19-08-2024

Dated:

20-08-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Sheikhoo 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	2.658	8	0.997	0.79	0.781	25.08	33.69	70010	70820	94050	95140	1.50	8.0	18.8	
2	1.486	6	0.746	0.44	0.437	14.39	19.59	72150	72640	98210	98880	1.40	8.0	17.5	
3	0.668	4	0.500	0.20	0.196	6.24	8.74	68800	70200	96340	98300	1.10	8.0	13.8	
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**BEND TEST:**

--	No Bend test performed	<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)

