

Sohail Afzal

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

AGM Projects, Izhar Const.(Pvt) Ltd.Lahore.(Const Of Dolmen Shopping Mall DHA Lahore)

Client Reference: ICPL/CONST-DML/21/394

Dated : 13-07-2023

SOM Lab Ref: CED/SOM/2549(Page-1/1)

Dated : 13-07-2023

Test: Tension Test &amp; Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Sheikho Steel)

Gauge Length: 200 m

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	m	%	
1	1.585	16	16.04	201	202	101.00	135.00	502	500	671	669	32.5	200	16.3	
2	1.585	16	16.03	201	202	100.50	134.50	500	498	669	667	35.0	200	17.5	
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**BEND TEST:**

16mm Sample bend through 180 degrees Satisfactorily without any crack

**Note:-****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)

M.R Fastener

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

Badami Bagh Lahore.

Client Reference: Nil

Dated : 13-07-2023

SOM Lab Ref: CED/SOM/2553(Page-1/1)

Dated : 13-07-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Plain Bar

Gauge Length: 200 m

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	m	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	2.402	20	19.74	314	306	129.50	197.20	412	424	628	645	40.0	200	20.0	
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**BEND TEST:**

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

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. Irfan ul Hassan

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

Client Reference: Nil

SOM Lab

Ref: 2550 (Page-1a/1)

Dated: 12-07-2023

Dated: 13-07-2023

Test: Tension Test Test  
inc

Test Specification: ASTM-A-615

Gauge Length: 8 h

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	1.499	6	0.749	0.44	0.441	14.29	19.57	71640	71470	98100	97880	1.50	8.0	18.8	H# 218-R
2	1.499	6	0.749	0.44	0.441	14.65	19.67	73430	73260	98610	98390	1.40	8.0	17.5	H# 219-R
3	1.489	6	0.747	0.43	0.438	14.34	19.52	71890	72220	97850	98290	1.40	8.0	17.5	H# 220-R
4	1.498	6	0.748	0.44	0.440	14.29	19.47	71640	71640	97590	97590	1.50	8.0	18.8	H# 221-R
5	1.483	6	0.745	0.43	0.436	14.53	19.32	72810	73480	96830	97710	1.30	8.0	16.3	H# 222-R
6	1.485	6	0.745	0.43	0.436	14.14	19.44	70870	71520	97440	98330	1.30	8.0	16.3	H# 223-R
7	1.482	6	0.745	0.43	0.436	14.75	19.75	73940	74610	98970	99880	1.40	8.0	17.5	H# 224-R
8	1.485	6	0.745	0.43	0.436	14.68	19.18	73580	74250	96160	97040	1.40	8.0	17.5	H# 225-R
9	1.504	6	0.750	0.44	0.442	14.53	19.90	72810	72480	99740	99290	1.50	8.0	18.8	H# 226-R
10	1.503	6	0.750	0.44	0.442	14.65	19.78	73430	73090	99130	98680	1.40	8.0	17.5	H# 227-R

**BEND TEST:**

-- No Bend test performed

Note:-

Only Ten Samples  
Received and TestedNote: 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. Irfan ul Hassan

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

Client Reference: Nil

SOM Lab

Ref: 2550 (Page-1b/1)

Dated: 12-07-2023

Dated: 13-07-2023

Test: Tension Test Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h inc

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	1.478	6	0.743	0.44	0.434	14.58	19.42	73070	74080	97340	98680	1.40	8.0	17.5	H# 209-R
2	1.487	6	0.746	0.44	0.437	14.44	19.62	72400	72900	98360	99030	1.40	8.0	17.5	H# 210-R
3	1.483	6	0.745	0.44	0.436	14.35	19.62	71940	72600	98360	99260	1.50	8.0	18.8	H# 211-R
4	1.490	6	0.747	0.44	0.438	14.73	19.36	73830	74170	97030	97470	1.10	8.0	13.8	H# 212-R
5	1.495	6	0.748	0.44	0.439	14.73	19.75	73830	74000	98970	99200	1.20	8.0	15.0	H# 213-R
6	1.495	6	0.748	0.44	0.439	14.48	19.44	72560	72720	97440	97660	1.50	8.0	18.8	H# 214-R
7	1.499	6	0.749	0.44	0.441	14.17	19.44	71020	70860	97440	97220	1.50	8.0	18.8	H# 215-R
8	1.494	6	0.748	0.44	0.439	14.53	18.86	72810	72980	94530	94740	1.40	8.0	17.5	H# 216-R
9	1.493	6	0.748	0.44	0.439	14.58	19.47	73070	73230	97590	97810	1.40	8.0	17.5	H# 217-R
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**BEND TEST:**

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

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

Nabeel ashraf, AE

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

Evacuee Trust Property Board GOP.(Restoration & Rehab Of Dilapidated Slab Of Dyal Singh)

Client Reference: 4664

Dated: 13-07-2023

Test: Tension Test & Bend Test  
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2551 (Page-1/1)

Dated: 13-07-2023

ASTM-A-615

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	1.047	5	0.626	0.31	0.308	9.09	13.05	64690	65110	92830	93430	1.50	8.0	18.8	
2	1.048	5	0.626	0.31	0.308	9.07	13.05	64550	64970	92830	93430	1.60	8.0	20.0	
3	0.672	4	0.501	0.20	0.197	6.14	8.51	67670	68700	93860	95290	1.30	8.0	16.3	
4	0.673	4	0.502	0.20	0.198	6.14	8.58	67670	68360	94650	95610	1.30	8.0	16.3	
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**BEND TEST:**

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

Sub Divisional officer,

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

BSD No.15,Lhr.(Const of Bachelor Accommodation And Judicial Rest House at Dharampura)

Client Reference: 3387

Dated: 10-07-2023

Test: Tension Test & Bend Test  
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2552 (Page-1/2)

Dated: 13-07-2023

ASTM-A-615

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	2.601	8	0.986	0.79	0.764	24.79	34.93	69210	71570	97530	100850	1.30	8.0	16.3	
2	2.590	8	0.984	0.79	0.761	25.20	34.81	70350	73030	97190	100890	1.20	8.0	15.0	
3	1.491	6	0.747	0.44	0.438	14.07	19.18	70510	70840	96160	96600	1.20	8.0	15.0	
4	1.498	6	0.748	0.44	0.440	14.04	19.11	70360	70360	95800	95800	1.40	8.0	17.5	
5	0.673	4	0.502	0.20	0.198	6.32	8.77	69700	70400	96670	97650	1.30	8.0	16.3	
6	0.671	4	0.501	0.20	0.197	6.32	8.69	69700	70760	95770	97230	1.20	8.0	15.0	
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**BEND TEST:**

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

Sub Divisional officer,

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

BSD No.15,Lhr.(Const of Bachelor Accommodation And Judicial Rest House at Dharampura)

Client Reference: 3381

SOM Lab

Ref: 2552 (Page-2/2)

Dated: 10-07-2023

Dated: 13-07-2023

Test: Tension Test & Bend Test  
inc

Test Specification: ASTM-A-615  
Deformed

Gauge Length: 8 h

Sample Type: 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	2.63 2	8	0.99 2	0.7 9	0.77 3	24.16	34.22	67450	68930	95530	97640	1.6 0	8. 0	20. 0	
2	2.64 3	8	0.99 5	0.7 9	0.77 7	24.21	34.10	67590	68720	95190	96790	1.5 0	8. 0	18. 8	
3	1.50 0	6	0.74 9	0.4 4	0.44 1	14.19	19.42	71130	70970	97340	97120	1.2 0	8. 0	15. 0	
4	1.49 9	6	0.74 9	0.4 4	0.44 1	14.24	19.52	71380	71220	97850	97630	1.4 0	8. 0	17. 5	
5	0.66 8	4	0.50 0	0.2 0	0.19 6	6.32	8.72	69700	71120	96110	98070	1.1 0	8. 0	13. 8	
6	0.66 8	4	0.50 0	0.2 0	0.19 6	6.32	8.72	69700	71120	96110	98070	1.3 0	8. 0	16. 3	
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**BEND TEST:**

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

Ar. Mansoor Ahmad

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

Chief Architect, Surblund Consultants,Pakistan.(537 Woods Block, Paragon Lahore)

Client Reference: Nil

Dated: 12-07-2023

Test: Tension Test & Bend Test  
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2554 (Page-1/1)

Dated: 13-07-2023

ASTM-A-615

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	0.557	4	0.457	0.20	0.164	4.99	6.80	55080	67170	74980	91440	1.00	8.0	12.5	
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**BEND TEST:**

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

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



New Metro City

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

Housing Scheme Manager QA/QC Mandi Bahauddin.(New Metro City Mandi Bahuddin)

Client Reference: NMC/MBD/36

SOM Lab

Ref: 2555 (Page-1/1)

Dated: 11-07-2023

Dated: 13-07-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (S.J  
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	1.504	6	0.750	0.444	0.442	14.63	20.54	73320	72990	102960	102490	1.40	8.0	17.5	
2	1.494	6	0.748	0.444	0.439	14.80	20.41	74190	74360	102290	102530	1.30	8.0	16.3	
3	0.667	4	0.500	0.200	0.196	6.32	8.82	69700	71120	97230	99220	1.00	8.0	12.5	
4	0.668	4	0.500	0.200	0.196	6.39	8.79	70480	71920	96900	98880	1.20	8.0	15.0	
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**BEND TEST:**

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