

M. Saleem Construction Company  
Engineers & Contractors, Lahore Road Sheikhpura

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: Steel Test (N.T.N. 2872696 - 7)

SOM Lab

Ref: 4546(Page-1/1)

Dated: 25-06-2021

Dated: 25-06-2021

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	1.497	6	0.748	0.44	0.440	14.58	19.29	73070	73070	96670	96670	0.90	8.0	11.3	
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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)

Abdul Ghafar  
Project Manager Liberty Builders, Lahore

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

Client Reference: ST/UET/ 20210625

SOM Lab

Ref: 4547(Page-1/1)

Dated: 25-06-2021

Dated: 25-06-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar( Batala Premium)

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	2.630	8	0.992	0.79	0.773	24.84	34.20	69350	70880	95480	97580	1.30	8.0	16.3	
2	2.617	8	0.990	0.79	0.769	24.52	33.61	68440	70310	93830	96390	1.30	8.0	16.3	
3	2.634	8	0.993	0.79	0.774	24.64	34.12	68790	70210	95250	97220	1.20	8.0	15.0	
4	0.647	4	0.492	0.20	0.190	6.09	8.41	67110	70640	92740	97620	1.00	8.0	12.5	
5	0.650	4	0.493	0.20	0.191	5.98	8.33	65990	69100	91840	96170	1.00	8.0	12.5	
6	0.656	4	0.496	0.20	0.193	6.54	9.19	72170	74790	101390	105070	0.90	8.0	11.3	
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**BEND TEST:**

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

Faizwan Shoukat  
Model Bazar, Pakpatan,

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 4548(Page-1/1)

Dated: 25-06-2021

Dated: 25-06-2021

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	1.506	6	0.751	0.44	0.443	14.39	20.97	72150	71660	105100	104390	1.20	8.0	15.0	
2	0.681	4	0.505	0.20	0.200	6.34	8.31	69920	69920	91610	91610	1.10	8.0	13.8	
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**BEND TEST:**

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

Amad Ali  
XEN / GE (AIR), Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 6888/20/E-6  
Dated: 24-06-2021  
Test: Tension Test  
Guage Length: 8 inch

SOM Lab 4550(Page-1/1)  
Ref: 1/1  
Dated: 25-06-2021  
ASTM-A-615  
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	1.486	6	0.746	0.44	0.437	16.23	18.40	81340	81900	92230	92860	1.20	8.0	15.0	
2	0.656	4	0.496	0.20	0.193	6.60	8.79	72730	75370	96900	100410	1.30	8.0	16.3	
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**BEND TEST:**

--	No Bend test performed	<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)

Hafiz Muhammad Irfan  
Project Engineer, Barrefour at Hyper Box Gujranwala

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 3038-BOX/009/2021

SOM Lab Ref: 4551(Page-1/1)

Dated: 25-06-2021

Dated: 25-06-2021

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	2.628	8	0.991	0.79	0.772	33.59	40.42	93770	95960	112840	115470	0.60	8.0	7.5	
2	2.642	8	0.994	0.79	0.776	33.20	40.34	92690	94360	112610	114640	0.80	8.0	10.0	
3	1.486	6	0.746	0.44	0.437	15.97	19.85	80070	80620	99480	100170	0.90	8.0	11.3	
4	1.508	6	0.751	0.44	0.443	14.04	17.64	70360	69880	88400	87800	1.00	8.0	12.5	
5	0.665	4	0.498	0.20	0.195	6.32	9.58	69700	71480	105670	108370	1.20	8.0	15.0	
6	0.664	4	0.498	0.20	0.195	6.29	9.55	69360	71140	105330	108030	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 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)

Hafiz Muhammad Irfan  
Project Engineer, Barrefour at Hyper Box Gujranwala

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 3038-BOX/009/2021

SOM Lab 4552(Page-1/1)  
Ref:

Dated: 25-06-2021

Dated: 25-06-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage Length: 8 inch

Sample Type:

Deformed Bar( Mughal 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	2.592	8	0.985	0.79	0.762	26.86	35.42	74990	77740	98890	102530	1.30	8.0	16.3	
2	2.632	8	0.992	0.79	0.773	24.82	33.51	69300	70820	93540	95600	1.50	8.0	18.8	
3	1.479	6	0.744	0.44	0.435	16.38	19.93	82110	83060	99890	101040	1.10	8.0	13.8	
4	1.480	6	0.744	0.44	0.435	16.08	19.62	80580	81500	98360	99490	0.80	8.0	10.0	
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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)

Maj Adnan khalid®

Test Performed By: Dr. /Engr. Nauman Khurram

Dy Dir MTL, Infra Structure Works Sector -Q, DHA. Phase XI, Rahbar - (M/S DHA-C)

Client Reference: 408/241/E/Lab/96/11/Bar-01

SOM Lab

Ref: 4553(Page-1/1)

Dated: 25-06-2021

Dated: 25-06-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar ( Kamran

Gauge Length: 8 inch

Sample Type:

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	2.620	8	0.990	0.79	0.770	25.64	33.89	71570	73430	94620	97080	1.30	8.0	16.3	
2	2.621	8	0.990	0.79	0.770	24.72	32.90	69010	70810	91840	94220	1.50	8.0	18.8	
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**BEND TEST:**

# 8	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)

Wajid Ali Shah  
GM - Works, FF Steel Lahore

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

Client Reference: Nil

SOM Lab

Ref: 4555(Page-1/1)

Dated: 22-06-2021

Dated: 25-06-2021

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(FF 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	0.642	4	0.491	0.20	0.189	6.29	8.43	69360	73400	92960	98370	1.20	8.0	15.0	
2	0.647	4	0.492	0.20	0.190	6.32	8.51	69700	73360	93860	98800	1.30	8.0	16.3	
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**BEND TEST:**

--	No Bend test performed	<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)