

Major Saad Bin Khalid
Garrison Engr., Garrison Engineer (Army)-I Kharian Cantt.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: 8000-P/57/E-6
Dated: 13-10-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 5155(Page-1/1)
Dated: 15-10-2021
Test Specification: 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.519	6	0.754	0.44	0.446	11.95	18.09	59890	59080	90690	89470	1.50	8.0	18.8	
2	1.037	5	0.623	0.31	0.305	9.23	13.37	65630	66710	95150	96710	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested
# 5	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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

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

Client Reference: ST/UET/ 20211015-A

SOM Lab

Ref: 5157(Page-1/1)

Dated: 15-10-2021

Dated: 15-10-2021

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.670	8	1.000	0.79	0.785	23.65	37.10	66020	66450	103590	104250	1.00	8.0	12.5	
2	2.669	8	0.999	0.79	0.784	23.82	37.36	66510	67020	104300	105100	1.20	8.0	15.0	
3	2.656	8	0.997	0.79	0.781	23.65	37.13	66020	66790	103640	104840	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Tahir Mehmood
Chief Engineer, New Lahore City (Zaitoon)

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

Client Reference: NLC/CE/01

SOM Lab

Ref: 5159(Page-1/1)

Dated: 14-10-2021

Dated: 15-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Model 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.474	6	0.743	0.44	0.433	14.44	21.48	72400	73570	107660	109400	1.10	8.0	13.8	
2	1.487	6	0.746	0.44	0.437	15.44	20.95	77410	77940	105000	105720	1.30	8.0	16.3	
3	0.655	4	0.494	0.20	0.192	7.29	9.33	80370	83720	102860	107140	1.00	8.0	12.5	
4	0.661	4	0.497	0.20	0.194	7.36	9.48	81160	83670	104540	107770	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

