

Abdul Ghafar  
Project Manager Liberty Builders, Lahore

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

Client Reference: CONC - 20190727A

SOM Lab  
Ref: 1300(Page-1/2)

Dated: 28-08-2019

Dated: 28-08-2019

Test: Tension 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.481	6	0.744	0.44	0.435	17.13	20.59	85840	86830	103210	104400	1.00	8.0	12.5	
2	1.464	6	0.740	0.44	0.430	14.32	18.78	71790	73460	94120	96310	1.10	8.0	13.8	
3	1.463	6	0.740	0.44	0.430	15.62	19.32	78280	80100	96830	99080	1.10	8.0	13.8	
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**BEND TEST:**

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

Abdul Ghafar  
Project Manager Liberty Builders, Lahore

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

Client Reference: CONC - 20190728

SOM Lab

Ref: 1300(Page-2/2)

Dated: 28-08-2019

Dated: 28-08-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar( AF Steel)

Gauge Length: 8 inch

Sample Type:

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	0.655	4	0.494	0.20	0.192	7.14	8.77	78690	81970	96670	100700	1.20	8.0	15.0	
2	0.644	4	0.491	0.20	0.189	6.93	8.74	76440	80890	96340	101940	1.00	8.0	12.5	
3	0.635	4	0.488	0.20	0.187	6.93	8.74	76440	81750	96340	103030	0.90	8.0	11.3	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-  Only Four 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)

Ghulam Murtaza  
Project Manager, for Superior Group, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Naheed Palace/01

SOM Lab

Ref: 1301(Page-1/1)

Dated: 27-08-2019

Dated: 28-08-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

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	2.593	8	0.985	0.79	0.762	26.66	34.20	74420	77150	95480	98990	1.50	8.0	18.8	
2	1.635	6	0.782	0.44	0.480	15.46	20.36	77510	71050	102040	93530	1.50	8.0	18.8	
3	0.588	4	0.469	0.20	0.173	6.01	7.41	66320	76670	81720	94480	1.40	8.0	17.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:- Only Six 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)

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

Nauman Khurram

Dy Dir MTL, Const of Mosque at Sector -S, DHA Ph-VIII - (M/S Innovative)

Client Reference: 408/241/E/Lab/678/46

SOM Lab

Ref: 1302(Page-1/1)

Dated: 28-08-2019

Dated: 28-08-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran 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	2.580	8	0.982	0.79	0.758	24.33	32.03	67930	70800	89420	93190	1.20	8.0	15.0	
2	2.596	8	0.986	0.79	0.763	22.55	30.86	62950	65180	86140	89190	1.50	8.0	18.8	
3	0.652	4	0.494	0.20	0.192	6.15	8.23	67780	70610	90720	94500	1.40	8.0	17.5	
4	0.648	4	0.492	0.20	0.190	6.07	8.18	66890	70410	90150	94900	1.30	8.0	16.3	
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**BEND TEST:**

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

Furqan Ali Malik  
 Chief Resident Engineer, Package -I, NESPAK, (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 4042/13/FAM/Steel-097

SOM Lab  
 Ref: 1303(Page-1/1)

Dated: 27-08-2019

Dated: 28-08-2019

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615  
 Deformed Bar (SJ. Steel)

Gauge Length: 8 inch

Sample Type:

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	6.77	8.38	74640	76560	92400	94770	1.20	8.0	15.0	
2	0.665	4	0.498	0.20	0.195	7.08	8.61	78130	80130	94990	97420	1.10	8.0	13.8	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  <b>Only Three 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)