

Muhammad Aqeel Arsad

Resident Engineer, (BZU Multan Project) New Vision Engineering Consultant( Acammemic Block)

Test Performed By:

Dr. /Engr.

S Asad Ali  
Gillani

Client Reference: RE/NVEC/BZU/20/04

Dated: 29-05-2020

SOM Lab Ref: 2516(Page-1/1)

Dated: 29-05-2020

Test: Tension Test & Bend 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	1.462	6	0.740	0.44	0.430	16.21	20.69	81240	83130	103720	106140	1.20	8.0	15.0	
2	1.072	5	0.633	0.31	0.315	10.01	13.88	71220	70090	98780	97210	1.40	8.0	17.5	
3	0.687	4	0.507	0.20	0.202	6.75	8.72	74420	73680	96110	95160	1.20	8.0	15.0	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  <b>Only Six Samples Received and Tested</b>
# 5	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  
Buildings Sub Division, Jaranwala

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: 2864/J

Dated: 11-05-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2515 (Page-1/1)

Dated: 29-05-2020

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	0.693	4	0.510	0.20	0.204	5.68	8.15	62610	61390	89930	88170	1.30	8.0	16.3	
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**BEND TEST:**

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

Muhammad Aqeel Arshad(RE)  
(BZU)Multan Proj.New Vision Engg Consultant(Const. of Hostel Block Molecular Biology & Biotechnology Deptt )

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

Client Reference: RE/NVEC/BZU/20/05

SOM Lab Ref: 2516(Page-1/1)

Dated: 29-05-2020

Dated: 29-05-2020

Test: Tension Test & Bend Test  
Gauge Length: 8 inch

Test Specification: ASTM-A-615  
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	1.473	6	0.743	0.44	0.433	16.28	21.78	81600	82920	109190	110960	1.20	8.0	15.0	
2	1.027	5	0.620	0.31	0.302	9.86	13.02	70130	71990	92610	95060	1.20	8.0	15.0	
3	0.642	4	0.491	0.20	0.189	6.09	8.18	67110	71020	90150	95400	1.00	8.0	12.5	
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**BEND TEST:**

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

Muhammad Aqeel Arsad

Resident Engineer, (BZU Multan Project) New Vision Engineering Consultant( Acammemic Block)

Test Performed By:

Dr. /Engr.

S Asad Ali  
Gillani

Client Reference: RE/NVEC/BZU/20/04

SOM Lab Ref: 2516(Page-1/1)

Dated: 29-05-2020

Dated: 29-05-2020

Test: Tension Test & Bend 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	1.462	6	0.740	0.44	0.430	16.21	20.69	81240	83130	103720	106140	1.20	8.0	15.0	
2	1.072	5	0.633	0.31	0.315	10.01	13.88	71220	70090	98780	97210	1.40	8.0	17.5	
3	0.687	4	0.507	0.20	0.202	6.75	8.72	74420	73680	96110	95160	1.20	8.0	15.0	
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**BEND TEST:**

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

Muhammad Aqeel Arshad(RE)  
(BZU)Multan Proj New Vision Engg Consultant(Const. Acadmemic Block Molecular Biology & Biotechnology Deptt )

Test Performed By: Dr. /Engr. M. Rizwan

Riaz

Client Reference: RE/NVEC/BZU/20/04

SOM Lab Ref: 2517(Page-1/1)

Dated: 29-05-2020

Dated: 29-05-2020

Test: Tension Test & Bend 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	1.462	6	0.740	0.44	0.430	16.21	20.69	81240	83130	103720	106140	1.20	8.0	15.0	
2	1.072	5	0.633	0.31	0.315	10.01	13.88	71220	70090	98780	97210	1.40	8.0	17.5	
3	0.687	4	0.507	0.20	0.202	6.75	8.72	74420	73680	96110	95160	1.20	8.0	15.0	
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**BEND TEST:**

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

Sajid Mahmood

Manager Construction Projects, 3 & 4, Tipu Block New Garden Town, Allied Bank Head Office, Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Client Reference: HOL/ENGG. C.P./SM/2020/15

SOM Lab Ref: 2518 (Page-1/1)

Dated: 29-05-2020

Dated: 29-05-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AGHA 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	2.028	7	0.871	0.60	0.596	22.70	27.90	83450	84010	102560	103240	1.40	8.0	17.5	
2	2.035	7	0.873	0.60	0.598	22.73	27.70	83560	83840	101810	102150	1.40	8.0	17.5	
3	1.647	6	0.785	0.44	0.484	16.69	21.12	83640	76040	105870	96250	1.20	8.0	15.0	
4	1.688	6	0.795	0.44	0.496	17.02	21.41	85330	75700	107300	95190	1.30	8.0	16.3	
5	1.063	5	0.630	0.31	0.312	11.88	14.34	84490	83950	102040	101390	1.20	8.0	15.0	
6	1.061	5	0.630	0.31	0.312	11.90	14.30	84630	84090	101750	101100	1.10	8.0	13.8	
7	0.585	4	0.468	0.20	0.172	6.39	7.77	70480	81960	85660	99600	1.00	8.0	12.5	
8	0.607	4	0.476	0.20	0.178	5.91	7.67	65200	73260	84530	94980	1.10	8.0	13.8	
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Witnessed By: Hanif Bashir, ABL

**BEND TEST:**

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