



**STRUCTURAL ENGINEERING DIVISION**  
**Test Floor Laboratory**  
**Department of Civil Engineering**  
**University of Engineering and Technology Lahore, 54890**  
**Pakistan. Ph: 92-42-99029202**

To,  
M/S Style Textile (Pvt) Ltd  
Lahore  
(Style SAP-ASE(K-3)) (Mughal Steel)

Reference # CED/TFL **37635** (Dr. Usman Akmal)  
Reference of the request letter # 0025/11/2021

Dated: 30-12-2021  
Dated: 26-11-2021

**Tension Test Report** (Page -1/10)

Date of Test 04-01-2022  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.413	10	9.98	0.12	0.121	4100	5200	75324	74460	95533	94500	1.10	13.8	
2	0.412	10	9.98	0.12	0.121	4300	5300	78998	78170	97370	96400	0.80	10.0	
3	0.413	10	9.99	0.12	0.121	4000	5000	73487	72630	91858	90800	1.30	16.3	
4	0.413	10	9.99	0.12	0.121	4100	5000	75324	74430	91858	90800	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only four samples for tensile and two samples for bend test</b>														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

Note:

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- 2- The above results pertain to sample /samples supplied to this laboratory.
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To,  
M/S Style Textile (Pvt) Ltd  
Lahore  
(Style SAP-ASE(K-3)) (Mughal Steel)

Reference # CED/TFL **37635** (Dr. Usman Akmal)  
Reference of the request letter # 1013/12/2021

Dated: 30-12-2021  
Dated: 07-12-2021

**Tension Test Report** (Page -2/10)

Date of Test 04-01-2022  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.415	10	10.01	0.12	0.122	4200	5100	77161	75930	93696	92200	1.00	12.5	
2	0.411	10	9.96	0.12	0.121	4100	5000	75324	74760	91858	91200	1.20	15.0	
3	0.418	10	10.05	0.12	0.123	4100	5100	75324	73510	93696	91500	1.00	12.5	
4	0.417	10	10.03	0.12	0.123	4200	5100	77161	75540	93696	91800	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only four samples for tensile and two samples for bend test</b>														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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To,  
M/S Style Textile (Pvt) Ltd  
Lahore  
(Style SAP-ASE(K-3)) (Mughal Steel)

Reference # CED/TFL **37635** (Dr. Usman Akmal)  
Reference of the request letter # 0021/11/2021

Dated: 30-12-2021  
Dated: 26-11-2021

**Tension Test Report** (Page -3/10)

Date of Test 04-01-2022  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.413	10	9.98	0.12	0.121	4000	5000	73487	72640	91858	90800	1.10	13.8	
2	0.412	10	9.97	0.12	0.121	4200	5200	77161	76460	95533	94700	1.20	15.0	
3	0.413	10	9.98	0.12	0.121	4100	5100	75324	74460	93696	92700	1.00	12.5	
4	0.413	10	9.99	0.12	0.122	4200	5200	77161	76190	95533	94400	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only four samples for tensile and two samples for bend test</b>														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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To,  
M/S Style Textile (Pvt) Ltd  
Lahore  
(Style SAP-Kraftcon (C-1)) (Amreli Steel)

Reference # CED/TFL **37635** (Dr. Usman Akmal)  
Reference of the request letter # 0024/11/2021

Dated: 30-12-2021  
Dated: 26-11-2021

**Tension Test Report** (Page -4/10)

Date of Test 04-01-2022  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.396	10	9.78	0.12	0.117	4300	5400	78998	81340	99207	102200	0.70	8.8	
2	0.414	10	10.00	0.12	0.122	4400	5500	80835	79660	101044	99600	1.10	13.8	
3	0.415	10	10.01	0.12	0.122	4400	5500	80835	79440	101044	99300	1.00	12.5	
4	0.409	10	9.94	0.12	0.120	4500	5600	82673	82430	102881	102600	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only four samples for tensile and two samples for bend test</b>														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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To,  
M/S Style Textile (Pvt) Ltd  
Lahore  
(Style SAP-Kraftcon) (Afco Steel)

Reference # CED/TFL **37635** (Dr. Usman Akmal)  
Reference of the request letter # 0017/11/2021

Dated: 30-12-2021  
Dated: 18-11-2021

**Tension Test Report** (Page -5/10)

Date of Test 04-01-2022  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.386	10	9.65	0.12	0.113	4400	5300	80835	85530	97370	103100	0.90	11.3	
2	0.371	10	9.46	0.12	0.109	3800	4700	69812	76880	86347	95100	1.00	12.5	
3	0.372	10	9.48	0.12	0.109	3800	4800	69812	76600	88184	96800	0.90	11.3	
4	0.361	10	9.33	0.12	0.106	4300	5100	78998	89410	93696	106100	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only four samples for tensile and two samples for bend test</b>														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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**Pakistan. Ph: 92-42-99029202**

To,  
M/S Style Textile (Pvt) Ltd  
Lahore  
(Style SAP-Kraftcon (C-1)) (Agha Steel)

Reference # CED/TFL **37635** (Dr. Usman Akmal)  
Reference of the request letter # 0026/11/2021

Dated: 30-12-2021  
Dated: 26-11-2021

**Tension Test Report** (Page -6/10)

Date of Test 04-01-2022  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.413	10	9.99	0.12	0.121	4200	5500	77161	76240	101044	99900	1.10	13.8	
2	0.412	10	9.98	0.12	0.121	4300	5500	78998	78230	101044	100100	1.00	12.5	
3	0.414	10	10.00	0.12	0.122	4300	5500	78998	77900	101044	99700	1.00	12.5	
4	0.413	10	9.98	0.12	0.121	4300	5500	78998	78140	101044	100000	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only four samples for tensile and two samples for bend test</b>														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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To,  
M/S Style Textile (Pvt) Ltd  
Lahore  
(Style SAP-ASE) (Mughal Steel)

Reference # CED/TFL **37635** (Dr. Usman Akmal)  
Reference of the request letter # 1012/12/2021

Dated: 30-12-2021  
Dated: 07-12-2021

**Tension Test Report** (Page -7/10)

Date of Test 04-01-2022  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.406	10	9.90	0.12	0.119	3900	5000	71650	72050	91858	92400	1.30	16.3	
2	0.409	10	9.94	0.12	0.120	4500	5400	82673	82490	99207	99000	0.70	8.8	
3	0.406	10	9.90	0.12	0.119	3900	4900	71650	72100	90021	90600	1.30	16.3	
4	0.414	10	10.00	0.12	0.122	4100	5300	75324	74200	97370	96000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only four samples for tensile and two samples for bend test</b>														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
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To,  
M/S Style Textile (Pvt) Ltd  
Lahore  
(Style SAP-Kraftcon) (Mughal Steel)

Reference # CED/TFL **37635** (Dr. Usman Akmal)  
Reference of the request letter # 1002/12/2021

Dated: 30-12-2021  
Dated: 01-12-2021

**Tension Test Report** (Page -8/10)

Date of Test 04-01-2022  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.414	10	10.00	0.12	0.122	4200	5300	77161	76060	97370	96000	1.00	12.5	
2	0.411	10	9.96	0.12	0.121	4200	5000	77161	76690	91858	91300	1.10	13.8	
3	0.416	10	10.02	0.12	0.122	4100	4900	75324	73920	90021	88400	1.00	12.5	
4	0.414	10	10.00	0.12	0.122	4100	4900	75324	74210	90021	88700	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only four samples for tensile and two samples for bend test</b>														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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To,  
M/S Style Textile (Pvt) Ltd  
Lahore  
(Style Raiwind-ASE) (Afco Steel)

Reference # CED/TFL **37635** (Dr. Usman Akmal)  
Reference of the request letter # 1015/12/2021

Dated: 30-12-2021  
Dated: 07-12-2021

**Tension Test Report** (Page -9/10)

Date of Test 04-01-2022  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.383	10	9.62	0.12	0.113	4500	5400	82673	88000	99207	105600	0.80	10.0	
2	0.390	10	9.71	0.12	0.115	4700	5900	86347	90330	108393	113400	0.70	8.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
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To,  
M/S Style Textile (Pvt) Ltd  
Lahore  
(Style SAP-ASE) (Mughal Steel)  
Reference # CED/TFL **37635** (Dr. Usman Akmal)  
Reference of the request letter # 1001/12/2021

Dated: 30-12-2021

Dated: 01-12-2021

**Tension Test Report** (Page -10/10)

Date of Test 04-01-2022

Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.414	10	10.00	0.12	0.122	4900	5900	90021	88800	108393	107000	0.70	8.8	Naveena Steel
2	0.420	10	10.07	0.12	0.124	4700	5800	86347	83850	106556	103500	0.70	8.8	
3	0.414	10	10.00	0.12	0.122	4800	5900	88184	86840	108393	106800	0.70	8.8	
4	0.411	10	9.96	0.12	0.121	4800	5900	88184	87560	108393	107700	0.90	11.3	
5	0.412	10	9.97	0.12	0.121	4000	5000	73487	72850	91858	91100	1.10	13.8	Mughal Steel
6	0.414	10	10.00	0.12	0.122	4100	5000	75324	74250	91858	90600	1.10	13.8	
7	0.406	10	9.90	0.12	0.119	3900	4900	71650	72000	90021	90500	1.10	13.8	
8	0.414	10	10.00	0.12	0.122	4200	5100	77161	76110	93696	92500	0.80	10.0	

**Note: only eight samples for tensile and four samples for bend test**

**Bend Test**

10mm Dia Bar Bend Test Through 180° is Satisfactory

10mm Dia Bar Bend Test Through 180° is Satisfactory

10mm Dia Bar Bend Test Through 180° is Satisfactory

10mm Dia Bar Bend Test Through 180° is Satisfactory

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**Department of Civil Engineering**  
**University of Engineering and Technology Lahore, 54890**  
**Pakistan. Ph: 92-42-99029202**

To,  
 M/S Defence Housing Authority.  
 Lahore Cantt  
 (Infra Dev Works of U/G External Electrification System Ex Park View DHA Phase-VIII) – (M/s  
 NEC)

Reference # CED/TFL **37640** (Dr. Usman Akmal)  
 Reference of the request letter # 408/241/E/Lab/199/06

Dated: 30-12-2021  
 Dated: 29-12-2021

**Tension Test Report** (Page -1/1)

Date of Test 04-01-2022  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ size		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.371	3	0.373	0.11	0.109	4000	4900	80200	80800	98200	99000	0.80	10.0	Amreli Steel
2	0.372	3	0.373	0.11	0.109	4000	4800	80200	80600	96200	96800	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

Note:

- 1- You can See your reports On Internet in the following web site  
[http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing\\_reports](http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports)
- 2- The above results pertain to sample /samples supplied to this laboratory.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



**STRUCTURAL ENGINEERING DIVISION**  
**Test Floor Laboratory**  
**Department of Civil Engineering**  
**University of Engineering and Technology Lahore, 54890**  
**Pakistan. Ph: 92-42-99029202**

To,  
 CM  
 Extension of Colony Building Project  
 Master Textile Mills Limited

Reference # CED/TFL **37641** (Dr. Usman Akmal)  
 Reference of the request letter # Nil

Dated: 31-12-2021  
 Dated: 30-12-2021

**Tension Test Report** (Page -1/1)

Date of Test 04-01-2022  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.374	3/8	0.374	0.11	0.110	3500	5100	70200	70120	102200	102200	1.60	20.0	FF Steel
2	0.371	3/8	0.373	0.11	0.109	3600	5200	72200	72730	104200	105100	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

Note:

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**STRUCTURAL ENGINEERING DIVISION**  
**Test Floor Laboratory**  
**Department of Civil Engineering**  
**University of Engineering and Technology Lahore, 54890**  
**Pakistan. Ph: 92-42-99029202**

To,  
 Deputy Director OPlanning Agency  
 Punjab Housing & Town Planning Agency  
 Sub-Region, Okara  
 Construction of Housing Units 03/05 Marla (Single Bed and Double Bed) in ADS-II Renala  
 Khurd District Okara Under Naya Pakistan Housing Program.  
 Reference # CED/TFL **37643** (Dr. Usman Akmal) Dated: 31-12-2021  
 Reference of the request letter # 832 Dated: 27-12-2021

**Tension Test Report** (Page -1/1)

Date of Test 04-01-2022  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.381	3/8	0.378	0.11	0.112	3100	5400	62200	60930	108200	106200	1.00	12.5	
2	0.369	3/8	0.372	0.11	0.108	3100	4700	62200	63030	94200	95600	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile test</b>														
Bend Test														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

Note:

- 1- You can See your reports On Internet in the following web site  
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2. The above results pertain to sample /samples supplied to this laboratory.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



**STRUCTURAL ENGINEERING DIVISION**  
**Test Floor Laboratory**  
**Department of Civil Engineering**  
**University of Engineering and Technology Lahore, 54890**  
**Pakistan. Ph: 92-42-99029202**

To,  
 Sub Divisional Officer  
 Buildings Sub Division No. 8  
 Lahore  
 (Construction of 4-Nos Additional Class Room at First Floor in Govt. Graduate College for Women Raiwind, Lahore)  
 Reference # CED/TFL **37644** (Dr. Usman Akmal) Dated: 31-12-2021  
 Reference of the request letter # 245/8th Dated: 22-12-2021

**Tension Test Report** (Page -1/1)

Date of Test 04-01-2022  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.348	3/8	0.361	0.11	0.102	3100	5000	62200	66810	100200	107800	1.00	12.5	
2	0.395	3/8	0.384	0.11	0.116	3100	4600	62200	58870	92200	87400	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
<b>Bend Test</b>														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

Note:

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- 2- The above results pertain to sample /samples supplied to this laboratory.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



**STRUCTURAL ENGINEERING DIVISION**  
**Test Floor Laboratory**  
**Department of Civil Engineering**  
**University of Engineering and Technology Lahore, 54890**  
**Pakistan. Ph: 92-42-99029202**

To,  
 Construction Manager  
 Zameen Quadrangle  
 Construction of Zameen Quadrangle at Plot No. 49 Gulberg-V, Zafar Ali Road, Lahore

Reference # CED/TFL **37655** (Dr. Usman Akmal)  
 Reference of the request letter # ZD/ZQ/GSW/009

Dated: 04-01-2022  
 Dated: 04-01-2022

**Tension Test Report** (Page -1/1)

Date of Test 04-01-2022  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.373	3	0.374	0.11	0.110	3300	4800	66200	66330	96200	96500	1.30	16.3	SJ Steel
2	0.385	3	0.379	0.11	0.113	3500	4900	70200	68240	98200	95600	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

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