



**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 Professional Construction Services (Pvt) Ltd  
Lahore  
(Mcdonald's Restaurant at 1-K Gulberg, Lahore)

Reference # CED/TFL **1690** (Dr. Usman Akmal)  
Reference of the request letter # PCS/22/Eng-68A

Dated: 19-07-2022  
Dated: 19-07-2022

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

Date of Test 21-07-2022  
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	0.363	3	0.369	0.11	0.107	4700	5600	94200	97080	112300	115700	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample 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



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To,  
 Sub Divisional Officer  
 Buildings Sub Division  
 Assembly, Lahore  
 (Strengthening of Emergency Services in All District of Punjab)

Reference # CED/TFL **1691** (Dr. Usman Akmal)  
 Reference of the request letter # 482

Dated: 19-07-2022  
 Dated: 04-07-2022

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

Date of Test 21-07-2022  
 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	3700	4800	74200	74160	96200	96300	0.60	7.5	
2	0.387	3/8	0.381	0.11	0.114	3100	4200	62200	60020	84200	81400	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.**

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To,  
 Senior Manager Projects - Civil  
 Vision Packaging  
 Volka Food International Limited.

Reference # CED/TFL **1694** (Dr. Usman Akmal)  
 Reference of the request letter # VFI/Civil/13

Dated: 20-07-2022  
 Dated: 05-07-2022

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

Date of Test 21-07-2022  
 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	0.400	3/8	0.387	0.11	0.117	3600	5000	72200	67570	100200	93900	1.20	15.0	
2	0.396	3/8	0.385	0.11	0.116	3600	4900	72200	68170	98200	92800	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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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**Test Floor Laboratory**  
**Department of Civil Engineering**  
**University of Engineering and Technology Lahore, 54890**  
**Pakistan. Ph: 92-42-99029202**

To,  
 Principal Architect  
 Z.H.Kazmi & Associates  
 MCB Bank Ltd. Minchanabad Branch District Bahawalnagar (1485)

Reference # CED/TFL **1695** (Dr. Usman Akmal)  
 Reference of the request letter # Nil

Dated: 20-07-2022  
 Dated: 20-07-2022

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

Date of Test 21-07-2022  
 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	0.398	3	0.386	0.11	0.117	4700	5700	94200	88590	114300	107500	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample 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:

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**University of Engineering and Technology Lahore, 54890**  
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Ref: CED/TFL/07/1696

Dated: 20-07-2022

Dated of Test: 20-07-2022

To

**M/s National Technocommercial Services (Private) Limited**  
**Lahore**

**Subject: - BREAKING LOAD TEST OF LUG MK 59 (NTS with Harding)**  
**(Page # 1/1)**

Reference to your Letter No. NTS/DC-Lug59/DC/22, dated: 20/07/2022, on the subject cited above. One Lug (dia 44 mm, Length 66.5mm) with assembly as received by us has been tested. The results are shown below:

**Breaking Load : 15400 kg**

**Remarks : Lug was broken**

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

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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



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Ref: CED/TFL/07/1697

Dated: 20-07-2022

Dated of Test: 20-07-2022

To

**M/s National Technocommercial Services (Private) Limited**  
**Lahore**

**Subject: - BREAKING LOAD TEST OF LUG MK 43A (NTS with Harding)**  
**(Page # 1/1)**

Reference to your Letter No. NTS/DC-Lug43A/22, dated: 20/07/2022, on the subject cited above. One Lug (dia 44 mm, Length 59mm) with assembly as received by us has been tested. The results are shown below:

**Breaking Load : 13800 kg**

**Remarks : Lug was broken**

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

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To,  
M/S Imran Architecture  
Lahore

Reference # CED/TFL **1698** (Dr. Usman Akmal)  
Reference of the request letter # Nil

Dated: 20-07-2022  
Dated: 30-06-2022

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

Date of Test 21-07-2022  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in <sup>2</sup> )		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.373	3	0.373	0.11	0.110	3200	5400	64200	64380	108200	108700	0.75	9.4	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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

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