



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

To,
Waris Iqbal
GM Sales

Reference # CED/TFL **3702** (Dr. Asif Hameed)
Reference of the request letter # Nil

Dated: 04-08-2023
Dated: 04-08-2023

Tension Test Report (Page -1/1)

Date of Test 08-08-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		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	0.369	3/8	0.371	0.11	0.108	3600	5100	72200	73210	102200	103800	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

To,

I/C Testing Laboratories
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



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Asst Dir Infra
 Defence Housing Authority, Gujranwala
 “Main Boulevard Extension”

Reference # CED/TFL **3703** (Dr. Asif Hameed)

Dated: 04-08-2023

Reference of the request letter # 111/15/AD/RS/Lab/MBE/21

Dated: 19-07-2023

Tension Test Report (Page -1/1)

Date of Test 08-08-2023

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 ²)		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	0.387	3	0.380	0.11	0.114	3400	5000	68200	65910	100200	97000	1.30	16.3	SJ Steel
2	0.378	3	0.376	0.11	0.111	3200	4900	64200	63520	98200	97300	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Project Engineer
 Baig Construction Co
 Construction of Jinnah Square Mall, Khayaban-e-Jinnah, Road Lahore.

Reference # CED/TFL **3704** (Dr. Asif Hameed) Dated: 04-08-2023
 Reference of the request letter # ST/UET/04082023/3000 Dated: 04-08-2023

Tension Test Report (Page -1/1)

Date of Test 08-08-2023
 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 ²)		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	0.367	3	0.371	0.11	0.108	3300	4900	66200	67430	98200	100200	1.00	12.5	SJ Steel
2	0.368	3	0.371	0.11	0.108	3300	4900	66200	67320	98200	100000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Test Floor Laboratory
Department of Civil Engineering
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Pakistan. Ph: 92-42-99029202

To,
 Manager Civil
 Nishat Mills Limited
 Dyeing & Finishing Plant, Lahore

Reference # CED/TFL **3705** (Dr. Asif Hameed)
 Reference of the request letter # NDF/AST/001

Dated: 04-08-2023
 Dated: 14-07-2023

Tension Test Report (Page -1/1)

Date of Test 08-08-2023
 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 ²)		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	0.423	10	10.11	0.12	0.124	3400	5100	62464	60210	93696	90400	1.50	18.8	Aziz Steel
2	0.411	10	9.96	0.12	0.121	3300	5100	60627	60240	93696	93100	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Test Floor Laboratory
Department of Civil Engineering
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To,

Sub Divisional Officer
Buildings Sub Division No. 8
Lahore
(Construction of Multi-Storied Flat / Suites for Officers at Building Research Station
Staff Colony, Lahore)

Reference # CED/TFL **3706** (Dr. Asif Hameed)
Reference of the request letter # 618/8th

Dated: 04-08-2023
Dated: 16-07-2023

Tension Test Report (Page -1/1)

Date of Test 08-08-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		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	0.371	3/8	0.373	0.11	0.109	3200	4900	64200	64600	98200	99000	1.30	16.3	
2	0.374	3/8	0.374	0.11	0.110	3200	4900	64200	64200	98200	98300	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

Project Manager
High-Q Constructions
Construction of High-Q Mall at 3-A, Gulberg II, Lahore.

Reference # CED/TFL **3712** (Dr. Asif Hamees)
Reference of the request letter # QC/HQ/CIVIL/117

Dated: 08-08-2023
Dated: 07-08-2023

Tension Test Report (Page -1/1)

Date of Test 08-08-2023
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 ²)		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	0.371	10	9.46	0.12	0.109	3300	4900	60627	66710	90021	99100	1.20	15.0	
2	0.377	10	9.54	0.12	0.111	3400	5100	62464	67620	93696	101500	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
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