



**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 Hi-Tek Manufacturing (Pvt) Ltd  
Lahore  
(Pakistan State Oil)

Reference # CED/TFL **1015** (Dr. Rizwan Azam)  
Reference of the request letter # HT/Req/MT/1020

Dated: 07-03-2022  
Dated: 03-03-2022

**Tension Test Report** (Page – 1/1)

Date of Test 07-03-2022  
Gauge length 2 inches  
Description Steel Sheet Steel Strip Tensile Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm <sup>2</sup> )	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	2.75	25.70x2.70	69.39	1900	2500	269	353	0.65	32.50	
2	2.75	25.80x2.90	74.82	2200	3200	288	420	0.60	30.00	
3	2.75	25.80x3.00	77.40	2200	3200	279	406	0.70	35.00	
4	2.75	26.00x2.80	72.80	1800	2400	243	323	0.70	35.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
<b>Only Four Samples for Tensile Test</b>										
<b>Bend Test</b>										

**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,  
 Resident Engineer  
 Development Consultancy Services (Pvt) Ltd  
 Construction of 02 Nos. Academic Block at Chiniot Campus of Government College University,  
 Faisalabad

Reference # CED/TFL **1023** (Dr. Rizwan Azam) Dated: 07-03-2022  
 Reference of the request letter # DCS/RE/UET/GCUF/2022/038 Dated: 02-03-2022

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

Date of Test 07-03-2022  
 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	0.372	3	0.373	0.11	0.109	3700	5000	74200	74640	100200	100900	1.00	12.5	FF Steel
2	0.373	3	0.374	0.11	0.110	3800	5000	76200	76440	100200	100600	1.20	15.0	
3	0.375	3	0.375	0.11	0.110	3400	4900	68200	67910	98200	97900	1.10	13.8	Ittihad Steel
4	0.375	3	0.375	0.11	0.110	3400	4900	68200	67950	98200	98000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only four samples for tensile and two samples for bend test</b>														
<b>Bend Test</b>														
#3 Bar Bend Test Through 180° is Satisfactory														
#3 Bar Bend Test Through 180° is Satisfactory														

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**UET Lahore, Pakistan.**

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