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

Ref: CED/TFL/10/37133 Dated: 30-09-2021

Dated: 13-10-2021

To
Damcon Construction
Lahore

Subject: **- TEST RESULT REPORT FOR COMPOSITE PLASTIC**

Reference to your letter no. Nil, Dated: 30/09/2021 on the above mentioned subject. One Composite Plastic has been received by us. The same was tested and results are given below.

Size of Sample	**:**	**30 x 30 x 6.34 cm**
Load at First Crack	**:**	**10000 kg**

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
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,
Project Manager
Alwasal Traders & Consultants
Lahore

Reference # CED/TFL **37169** (Dr. Qasim Khan) Dated: 07-10-2021
Reference of the request letter # UET/21064 Dated: 07-10-2021

Tension Test Report (Page – 1/2)

Date of Test 13-10-2021
Gauge length 2 inches
Description M.S Plate 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^2)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	**6**	**27.10x5.90**	**159.89**	**4700**	**7200**	**288**	**442**	**0.80**	**40.00**	
-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only One Sample for Tensile Test										
Bend Test										

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,
Project Manager
Alwasal Traders & Consultants
Lahore

Reference # CED/TFL **37169** (Dr. Qasim Khan) Dated: 07-10-2021
Reference of the request letter # UET/21065 Dated: 07-10-2021

Tension Test Report (Page – 2/2)

Date of Test 13-10-2021
Gauge length 2 inches
Description M.S Plate 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^2)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	**8**	**27.20x8.20**	**223.04**	**6400**	**9700**	**281**	**427**	**0.80**	**40.00**	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only One Sample for Tensile Test										
Bend Test										

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,
Material Engineer
Defence Housing Authority, Multan
Installation of Flood Light at DHA Sports Complex (M/s Pierlite)

Reference # CED/TFL **37174** (Dr. Irfan ul Hussan) Dated: 08-10-2021
Reference of the request letter # 701/92/P&D/DHA Dated: 07-10-2021

Tension Test Report (Page -1/1)

Date of Test 13-10-2021
Gauge length 8 inches
Description AnchorBolts Bar Tensile Test

Sr. No.	Weight	Diameter/ size		Area (mm^2)		Yield load	Breaking Load	Yield Stress (MPa)	Ultimate Stress (MPa)	Elongation	% Elongation	Remarks
	(kg/m)	Nominal (mm)	Actual (mm)	Nominal	Actual	(kg)	(kg)	Actual	Actual	(inch)		
1	8.669	38	37.50	-------	1104.4	34800	60400	309	537	2.20	27.5	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test												
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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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 Defence Housing Authority.
Lahore Cantt
(Construction of 1 Kanal Houses NGV DRGCC DHA Phase-VI) – (M/s Linker Developers (Pvt) Ltd)
Reference # CED/TFL **37185** (Dr. Ali Ahmed) Dated: 11-10-2021
Reference of the request letter # 408/241/E/Lab/141/55 Dated: 08-10-2021

Tension Test Report (Page -1/1)

Date of Test 13-10-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ size		Area (in^2)		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	0.384	3	0.379	0.11	0.113	3400	5600	68200	66420	112300	109400	1.20	15.0	Afco Steel
2	0.388	3	0.381	0.11	0.114	3400	5700	68200	65750	114300	110300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º 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,
Resident Engineer
Bahria Town Private Limited
Boundary Wall at Nishtar Block Sector ''E" Bahria Town Multan Road, Lahore

Reference # CED/TFL **37187** (Dr. Ali Ahmed) Dated: 11-10-2021
Reference of the request letter # QA/QC-Steel-2405 Dated: 08-10-2021

Tension Test Report (Page -1/1)

Date of Test 13-10-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ size		Area (in^2)		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	0.396	3	0.385	0.11	0.116	3900	5200	78200	73930	104200	98600	0.90	11.3	FF Steel
2	0.388	3	0.381	0.11	0.114	3800	5200	76200	73390	104200	100500	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º 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,
Sub Divisional Officer
Buildings Sub Division
Pattoki
(Establishment of Rescue Office 1122 at Ellahabad District Kasur)

Reference # CED/TFL **37188** (Dr. Ali Ahmed) Dated: 11-10-2021
Reference of the request letter # 95/P Dated: 07-10-2021

Tension Test Report (Page -1/1)

Date of Test 13-10-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.376	3/8	0.375	0.11	0.110	3100	5000	62200	61880	100200	99900	1.00	12.5	
2	0.373	3/8	0.374	0.11	0.110	3100	5000	62200	62330	100200	100600	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
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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STRUCTURAL ENGINEERING DIVISION

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

To,
Zafar Iqbal
PM
78-C1, Ivory Homes, Gulberg-III, Lahore

Reference # CED/TFL **37189** (Dr. Ali Ahmed) Dated: 11-10-2021
Reference of the request letter # IVH/001/21 Dated: 11-10-2021

Tension Test Report (Page -1/1)

Date of Test 13-10-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		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	0.379	3	0.377	0.11	0.111	4300	5400	86200	85050	108200	106900	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

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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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 Saleem Brothers & Co.
Islamabad

Reference # CED/TFL **37190** (Dr. Ali Ahmed) Dated: 12-10-2021
Reference of the request letter # Nil Dated: 12-10-2020

Tension Test Report (Page – 1/1)

Date of Test 13-10-2021
Description Chain Link PVC Wire Tensile Test

Sr. No.	Diameter of Single Wire	Breaking Load		Remarks
	(mm)	(kg)	(kN)	
1	**3.00**	**320**	**3.14**	
2	**3.00**	**320**	**3.14**	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only Two Samples for Test				

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,
Project Manager
CCECC-MATRACON-HABIB Joint Venture
Re-Construction & Up-gradation of Main Runway (18L/36R) at Allama Iqbal International Airport (AIIAP), Lahore
(Batala Steel)

Reference # CED/TFL **37191** (Dr. Ali Ahmed) Dated: 12-10-2021
Reference of the request letter # AIIAP/CCECC-MATRACON-HABIB Jv/2021/700
Dated: 11-10-2021

Tension Test Report (Page -1/1)

Date of Test 13-10-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Heat No.
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.445	10	10.36	0.12	0.131	4000	6000	73487	67430	110230	101200	1.30	16.3	873
2	0.443	10	10.35	0.12	0.130	3900	5900	71650	65970	108393	99800	1.30	16.3	881
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and two samples for bend test

Bend Test

10mm Dia Bar Bend Test Through 180º is Satisfactory

10mm Dia Bar Bend Test Through 180º 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,
Maintenance Engineer
University of The Punjab
Construction of School of Economis at University of The Punjab at Q.A.C.

Reference # CED/TFL **37192** (Dr. Ali Ahmed) Dated: 12-10-2021
Reference of the request letter # D-1678-ME-IV Dated: 30-09-2021

Tension Test Report (Page -1/1)

Date of Test 13-10-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		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	0.359	3	0.366	0.11	0.105	3400	5400	68200	71050	108200	112900	1.10	13.8	
2	0.363	3	0.369	0.11	0.107	3400	5500	68200	70190	110200	113600	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º 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,
Sub Divisional Officer
Farooqabad Link Sub Division
Farooqabad
(Construction of New Q.B Link Office Complex, Residences and Boundary Wall at Farooqabad)

Reference # CED/TFL **37193** (Dr. Ali Ahmed) Dated: 12-10-2021
Reference of the request letter # 121/RO Dated: 04-08-2021

Tension Test Report (Page -1/1)

Date of Test 13-10-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		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	0.374	0.11	0.110	3400	4400	68200	68380	88200	88500	1.20	15.0	Ali Supreme Steel
2	0.371	3	0.373	0.11	0.109	3500	4500	70200	70700	90200	90900	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

#3 Bar Bend Test Through 180º 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,
Chief Resident Engineer
JIP Consultants Jalalpur Sharif
Project Implementation Consultants (PICs) – Jalapur Irrigation Project (JIP)
Construction of Jalalpur Irrigation Canal and Its System (RD 225+500 to 379+750) Package-3

Reference # CED/TFL **37194** (Dr. Irfan ul Hussan) Dated: 12-10-2021
Reference of the request letter # JIPIC/TECH/P-3/CRE/20 Dated: 12-10-2021

Tension Test Report (Page -1/1)

Date of Test 13-10-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		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	4.135	10	1.244	1.27	1.216	36800	52600	63900	66730	91300	95400	1.20	15.0	Pak Steel
2	4.140	10	1.245	1.27	1.217	36600	52000	63600	66300	90300	94200	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º 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,
Resident Engineer
AZ Engineering Associates
Widening / Improvement of Road from Khushab to Sandral Rajar Road and Ahmadabad Motorway Interchange Length 24 km District Khushab (Group-II 12.00 to 24.00 km = 12 km)

Reference # CED/TFL **37195** (Dr. Ali Ahmed) Dated: 12-10-2021
Reference of the request letter # RE/AZEA/SGD/1882 Dated: 30-09-2021

Tension Test Report (Page -1/1)

Date of Test 13-10-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		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	0.392	3	0.383	0.11	0.115	2700	3600	54100	51600	72200	68800	1.50	18.8	
2	0.396	3	0.385	0.11	0.116	2700	3600	54100	51190	72200	68300	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º 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
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,
Deputy General Manager Projects
Habib Rafiq Engineering (Pvt) Limited
Construction of Sky Gardens tower, Lahore

Reference # CED/TFL **37196** (Dr. Ali Ahmed) Dated: 12-10-2021
Reference of the request letter # HRLE/SKG/2021/025 Dated: 11-10-2021

Tension Test Report (Page -1/1)

Date of Test 13-10-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.421	10	10.08	0.12	0.124	3900	5200	71650	69470	95533	92700	1.20	15.0	Afco Steel
2	0.422	10	10.09	0.12	0.124	4000	5300	73487	71070	97370	94200	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

10mm Dia Bar Bend Test Through 180º 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,
Project Manager
Allied Bank
Allied Bank Limited, Kasoori Road Road, Gulberg, Lahore

Reference # CED/TFL **37199** (Dr. Asad Ali) Dated: 13-10-2021
Reference of the request letter # Nil Dated: 13-10-2021

Tension Test Report (Page -1/1)

Date of Test 13-10-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		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	0.377	3	0.375	0.11	0.111	3870	4790	77600	77040	96000	95400	1.20	15.0	Mughal Steel
2	0.377	3	0.376	0.11	0.111	3790	4710	76000	75320	94400	93600	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only one sample for tensile and one sample for bend test

Bend Test

#3 Bar Bend Test Through 180º 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

Witness by M. Anas (Civil Officer Allied Bank Limited)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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3- Sealed sample / Unsealed sample / Marked sample/Signed Samples