

Test Performed by: .Dr Asad Ali Gillani

Engr.M.Shahjahan Khan
Resident Engineer IDAP.
(Infra on EPC/Turnkey Basis For PPIC3 Gujranwala)
Client Reference No.: PPIC3-GUJ/IDAP/2024/0002

Dated: 17-01-2024

SOM Lab Ref: CED/SOM/3543 (Page-2/2)

Dated: 23-01-2024

Test Type: Tensile Test

Sample Type: MS Steel Plate

Gauge Length: 2 inches

Tensile Test Results

Sr. No.	Size of strip (mm)	X Section Area (mm ²)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongation (inch)	% Elongation
1	18.2 x 3.2	58.24	24.2	30.2	415.52	518.54	0.3	15.0

Test Performed By: S. Asad Ali Gillani

M.Waqas Anwar
RE NESPAK
Lahore
(Rehabilitation and Improvement of Saggian Road Lahore) (Pkg-1)

Client Reference: 3772/SRP-1/103/MWA/04/181

Dated: 15-01-2024

SOM Laboratory Reference: CED/SOM/3553(Page-1/1)

Dated: 24-01-2024

Test: Compressive Strength Tests

Sample Type: Cat Eyes White (Brand 3M),Yellow (Brand Sitmsonite)

Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	Cat Eyes (White)	71.3 x 44.9	101.1 x 89.2	15.1	30.60°	13527
2	Cat Eyes (Yellow)	80.2 x 39.2	115.0 x 80.5	17.1	30.77°	24771

Note: Please always confirm the results of above report on web: www.uet-civil.edu.pk

Test Performed by: .Dr Asad Ali Gillani

Ghani
Ghani Glass limited-III
Sheikhupura.

Client Reference No.: Nil

Dated: 24-01-2024

SOM Lab Ref: CED/SOM/3554(Page 1/1)

Dated: 24-01-2024

Test Type: Tensile Test & Hardness Test

Sample Type: MS Steel Strip

Gauge Length: 2 inches

Tensile Test Results

Sr. No.	Size of strip (mm)	X Section Area (mm ²)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	Elongatio _n (inch)	% Elongatio _n
1	13.4 x 0.8	10.72	16.5	1539.18	0.2	10.0

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine

(Minor Load: 10 Kgf Major Load: 150.0 kgf Scale: C)

Hardness Test Results

Sr #	Sample Type	Hardness
1	MS Steel Strip	HR – 51 – C

Test Performed by: .Dr Asad Ali Gillani

Waqas Khalid
Manager Al-Khawarizmi Institute of Computer Science
UET Lahore.
(Project "Solarization of Lahore High Court" Under PEECA)

Client Reference No.: KICS-PEECA/LHC-P1/001/Test

Dated: 17-01-2024

SOM Lab Ref: CED/SOM/3556(Page 1/1)

Dated: 24-01-2024

Test Type: Tensile Test

Sample Type: "I" Bolt

Gauge Length: 1 inches

Tensile Test Results

Sr. No.	Tested Diameter of Bolt (mm)	X Section Area (mm ²)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	Elongatio _n (inch)	% Elongatio _n
1	11.90	111.22	78.7	707.60	0.1	10.0

Colonel Azim Ilyas ®

Test Performed By: Dr. /Engr. Nauman Khurram

Executive Dir Lahore Diocesan Board Of Education.(St.Monica`s High School,Clarabad)

Client Reference: COORD/124/ /BLDG

SOM Lab

Ref: 3552 (Page-1/1)

Dated: 22-01-2024

Dated: 24-01-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.660	4	0.497	0.20	0.194	6.90	8.69	76100	78460	95770	98740	1.10	8.0	13.8	
2	0.666	4	0.500	0.20	0.196	6.85	8.46	75540	77080	93300	95200	1.40	8.0	17.5	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

P Lt.Col.M.Mohi-Ud-Din Athar ®
 COE School (Boys),Tandiwala.(Constuction Of Boundary Wall)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: COEB/TW/ACCTS 653

SOM Lab

Ref: 3555 (Page-1/1)

Dated: 22-01-2024

Dated: 24-01-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Munir Supreme)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.674	4	0.502	0.20	0.198	6.12	9.17	67450	68130	101170	102190	1.00	8.0	12.5	
2	0.668	4	0.500	0.20	0.196	6.42	8.89	70820	72270	98020	100020	1.10	8.0	13.8	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sub Divisional officer,
 BSD No.3,Lahore.(Revamping Of Services Hospital Medical Block,Group-I)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 867

SOM Lab

Ref: 3557 (Page-1/1)

Dated: 16-12-2023

Dated: 24-01-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

ASTM-A-615

Deformed Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.718	4	0.518	0.20	0.211	7.24	9.96	79810	75650	109820	104100	1.40	8.0	17.5	
2	0.720	4	0.520	0.20	0.212	7.26	9.94	80040	75510	109600	103400	1.30	8.0	16.3	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engr. Hassan Mehmood

Test Performed By: Dr. /Engr. Asad Ali Gillani

RE G3 Engg Consult.(Const.of DHA Newlife Residency Appartments at 273/1Q Block Ph-II DHA.Lhr)

Client Reference: G3/DHA-NLD/RE/216

SOM Lab

Ref: 3558 (Page-1/1)

Dated: 22-01-2024

Dated: 24-01-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.664	8	0.998	0.79	0.783	27.32	34.17	76270	76950	95390	96250	1.20	8.0	15.0	
2	2.666	8	0.998	0.79	0.783	26.75	35.95	74680	75340	100370	101270	1.20	8.0	15.0	
3	2.665	8	0.998	0.79	0.783	23.41	34.25	65370	65950	95620	96470	1.40	8.0	17.5	
4	1.499	6	0.749	0.44	0.441	12.64	18.21	63360	63220	91260	91050	1.50	8.0	18.8	
5	1.502	6	0.749	0.44	0.441	13.07	18.25	65510	65360	91460	91250	1.40	8.0	17.5	
6	1.506	6	0.751	0.44	0.443	13.15	18.30	65910	65470	91720	91100	1.30	8.0	16.3	
7	0.664	4	0.498	0.20	0.195	7.03	8.97	77560	79550	98920	101460	1.10	8.0	13.8	
8	0.667	4	0.500	0.20	0.196	6.63	8.48	73070	74560	93530	95430	1.00	8.0	12.5	
9	0.665	4	0.498	0.20	0.195	6.57	8.51	72510	74360	93860	96270	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Khurram Tariq,RE

Test Performed By: Dr. /Engr. Nauman Khurram

NESPAK.(Dualization Of Road From Mandi Baha-Ud-Din To Sarai Alam Gir Canal Pull Main G.T Rd)

Client Reference: 4376-D/103/KT/03/267

SOM Lab

Ref: 3559 (Page-1/1)

Dated: 19-01-2024

Dated: 24-01-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.640	8	0.994	0.79	0.776	24.84	33.94	69350	70610	94770	96480	1.50	8.0	18.8	
2	2.620	8	0.990	0.79	0.770	24.79	34.15	69210	71010	95340	97810	1.50	8.0	18.8	
3	1.481	6	0.744	0.44	0.435	13.48	19.67	67550	68330	98610	99750	1.30	8.0	16.3	
4	1.475	6	0.743	0.44	0.433	13.46	19.69	67450	68540	98720	100310	1.40	8.0	17.5	
5	1.034	5	0.622	0.31	0.304	10.06	13.97	71580	72990	99360	101320	1.30	8.0	16.3	
6	1.029	5	0.620	0.31	0.302	10.32	14.07	73390	75340	100080	102730	1.20	8.0	15.0	
7	0.676	4	0.503	0.20	0.199	6.65	8.84	73290	73660	97460	97950	1.20	8.0	15.0	
8	0.676	4	0.503	0.20	0.199	6.57	8.79	72510	72870	96900	97380	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk