

Test Performed by: S. Asad Ali Gillani

Engineer Muhammad Irfan
Dy Dir Infra. DHA Gujranwala. (Sector J)
(M/S Shahid and Co (Pvt) Ltd.(SAC)

Client Reference No.: 111/15/DD/RS/Lab/Sec-J-102

Dated: 03-04-2024

SOM Lab Ref: CED/SOM/3945 (Page 1/1)

Dated: 16-04-2024

Test Type: Tensile Test

Specification: ASTM-A 36

Sample Type: MS Pipe (15" Dia) (375mm)

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	26.0 x 6.20	161.20	63.00	85.00	390.82	527.30	0.70	35.00
2	29.0 x 6.20	179.80	70.00	91.00	389.32	506.12	0.70	35.00

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

Ilyas Majeed Sheikh

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Chairman Eagle Dev.(Dream Galleria Lahore) (Project Of Dream Galleria,Dream Garden,Lahore)

Client Reference: Nil

SOM Lab

Ref: 3940 (Page-1/1)

Dated: 15-04-2024

Dated: 16-04-2024

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	2.575	8	0.982	0.79	0.757	24.77	35.39	69160	72170	98810	103110	1.40	8.0	17.5	
2	2.578	8	0.982	0.79	0.758	24.57	35.37	68590	71480	98750	102920	1.10	8.0	13.8	
3	1.512	6	0.752	0.44	0.444	13.83	18.32	69340	68710	91820	90990	1.20	8.0	15.0	
4	1.487	6	0.746	0.44	0.437	15.60	20.20	78180	78710	101270	101970	1.20	8.0	15.0	
5	0.664	4	0.498	0.20	0.195	7.49	9.40	82620	84740	103640	106300	1.20	8.0	15.0	
6	0.665	4	0.498	0.20	0.195	7.44	9.33	82060	84160	102860	105490	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine 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

Colonel Azim Ilyas ®

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

Executive Director Lahore Diocesan Board of Education.(St. Monica`s High School,Clarkabad)

Client Reference: COORD/124/56/BLDG

SOM Lab

Ref: 3941 (Page-1/1)

Dated: 06-04-2024

Dated: 16-04-2024

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	1.494	6	0.748	0.44	0.439	14.34	19.29	71890	72060	96670	96890	1.30	8.0	16.3	
2	1.494	6	0.748	0.44	0.439	14.32	19.11	71790	71950	95800	96020	1.20	8.0	15.0	
3	0.670	4	0.501	0.20	0.197	6.54	8.48	72170	73270	93530	94950	1.30	8.0	16.3	
4	0.667	4	0.500	0.20	0.196	6.54	8.58	72170	73640	94650	96580	1.30	8.0	16.3	
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BEND TEST:

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

Takmeel Square (Pvt.) Ltd.
DHA Bahwalpur.(Takmeel Square Smelter)

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

Client Reference: Nil

SOM Lab

Ref: 3942 (Page-1/1)

Dated: 16-04-2024

Dated: 16-04-2024

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	2.564	8	0.980	0.79	0.754	23.55	31.60	65740	68880	88220	92430	1.50	8.0	18.8	
2	2.564	8	0.980	0.79	0.754	23.31	31.52	65090	68190	87990	92190	1.60	8.0	20.0	
3	1.482	6	0.745	0.44	0.436	13.86	18.96	69490	70130	95040	95910	1.40	8.0	17.5	
4	1.483	6	0.745	0.44	0.436	13.97	19.03	70000	70640	95400	96270	1.50	8.0	18.8	
5	0.597	4	0.472	0.20	0.175	5.98	7.85	65990	75410	86560	98920	1.20	8.0	15.0	
6	0.613	4	0.479	0.20	0.180	5.93	7.82	65420	72690	86220	95800	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine 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

Sub Divisional officer,
 BSD No.16,Lhr.(Const Of Smart Police Station Ghalib Market Lahore)

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

Client Reference: 328

SOM Lab

Ref: 3943 (Page-1/1)

Dated: 13-02-2024

Dated: 16-04-2024

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	1.519	6	0.754	0.44	0.446	15.16	19.93	75980	74960	99890	98550	1.30	8.0	16.3	
2	0.665	4	0.498	0.20	0.195	6.63	9.28	73070	74940	102290	104920	1.20	8.0	15.0	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD No.1,Faisalabad.(Const Of Smart Police Station Roshanwala In Distt Faisalabad)

Client Reference: 3192

SOM Lab

Ref:

3944 (Page-1/1)

Dated: 30-03-2024

Dated:

16-04-2024

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	1.498	6	0.748	0.44	0.440	13.35	19.24	66940	66940	96420	96420	1.20	8.0	15.0	
2	0.667	4	0.500	0.20	0.196	6.52	9.09	71940	73410	100270	102320	1.00	8.0	12.5	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Sehreen Tabish

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Building Standards Lahore.(Commercial Project For Mr. Ghulam Rabbani Awan)

Client Reference: GT/LTR/240416-106

SOM Lab

Ref:

3946 (Page-1/1)

Dated: 16-04-2024

Dated:

16-04-2024

Test: Tension Test & Bend Test

Test Specification:

BS-4449

Gauge Length: 4 Inch

Sample Type:

MS 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	0.547	4	0.453	0.20	0.161	4.75	7.00	52390	65070	77230	95930	1.20	4.0	30.0	
2	0.546	4	0.451	0.20	0.160	4.66	7.03	51370	64220	77560	96950	1.00	8.0	12.5	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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