

Etoile Constructors
Engineers, Builders & Developers, Lahore

Test Performed By: Dr. /Engr. Ubaid A Mughal

Client Reference: nil
SOM Lab Ref: CED/SOM/321(Page-1/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 19-02-2019
Dated: 19-02-2019
Test Specification: ASTM-A 615
Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.543	16	15.84	201	197	114.70	146.70	570	583	730	745	27.5	200	13.8	
2	1.545	16	15.83	201	197	115.00	146.20	572	585	727	743	30.0	200	15.0	
3	0.977	12	12.59	113	124	80.70	95.70	714	649	846	769	15.0	200	7.5	
4	0.879	12	11.94	113	112	59.70	75.50	528	534	668	675	27.5	200	13.8	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
12mm	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
Public Health Engg: Sub Division Shahpur

Test Performed By: Dr. /Engr. M Yousaf

Client Reference: 198/SP

SOM Lab

Ref: 317(Page-1/1)

Dated: 20-1-2019

Dated: 19-02-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.775	8	1.019	0.79	0.816	20.39	31.65	56920	55110	88360	85550	1.30	8.0	16.3	
2	2.837	8	1.030	0.79	0.834	18.60	28.26	51940	49200	78890	74730	1.50	8.0	18.8	
3	1.512	6	0.752	0.44	0.444	11.62	16.69	58250	57730	83640	82890	1.80	8.0	22.5	
4	1.523	6	0.755	0.44	0.448	11.62	16.69	58250	57210	83640	82150	2.10	8.0	26.3	
5	0.668	4	0.500	0.20	0.196	5.25	8.33	57890	59070	91840	93710	2.10	8.0	26.3	
6	0.693	4	0.510	0.20	0.204	5.22	7.39	57560	56430	81500	79900	1.50	8.0	18.8	
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BEND TEST:

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

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

Wajid Ali Shah
GM - Works, FF Steel Lahore

Test Performed By: Dr. /Engr. M Rizwan Riaz

Client Reference: Nil
Dated: 18-02-019
Test: Tension Test

SOM Lab
Ref: 318(Page-1/1)
Dated: 19-02-2019

Gauge Length: 8 inch

Test Specification: 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	1.498	6	0.748	0.44	0.440	14.17	18.91	71020	71020	94780	94780	1.50	8.0	18.8	
2	1.492	6	0.747	0.44	0.438	14.04	18.86	70360	70680	94530	94960	1.10	8.0	13.8	
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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

M Mohsin Test Performed By: Dr. /Engr. M Rizwan Riaz
 Site Engineer, Inmol Employees Co-Operative Housing Society (REGD), Lahore

Client Reference: Iftikhar & Brother/Disposal/2018.102/ SOM Lab Ref: 319(Page-1/1)
 Dated: nil Dated: 19-02-2019
 Test: Tension Test & Bend Test Test Specification: ASTM-A-615 Deformed
 Gauge Length: 8 inch Sample Type: 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	0.690	4	0.508	0.20	0.203	6.39	9.55	70480	69440	105330	103770	1.20	8.0	15.0	
2	0.668	4	0.500	0.20	0.196	6.19	9.33	68230	69630	102860	104950	1.20	8.0	15.0	
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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

Maj Adnan khalid®

Test Performed By: Dr. /Engr. M Rizwan Riaz

Dy Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: 408/241/E/Lab/455/1585

SOM Lab

Ref: 320(Page-1/1)

Dated: 18-02-2019

Dated: 19-02-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Moiz 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	1.537	6	0.759	0.44	0.452	13.83	19.37	69340	67500	97080	94500	1.50	8.0	18.8	
2	1.470	6	0.742	0.44	0.432	13.83	18.73	69340	70620	93860	95600	1.50	8.0	18.8	
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BEND TEST:

# 6	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 (AUQAF)
Lahore Zone, Lahore

Test Performed By: Dr. /Engr. Ubaid A Mughal

Client Reference: III-DP-LZ(765)A/2018

SOM Lab

Ref: 322(Page-1/1)

Dated: 18-02-2019

Dated: 19-02-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	1.514	6	0.753	0.44	0.445	14.17	20.20	71020	70230	101270	100130	1.30	8.0	16.3	
2	1.531	6	0.757	0.44	0.450	14.12	20.13	70770	69200	100910	98670	1.30	8.0	16.3	
3	0.672	4	0.501	0.20	0.197	6.01	8.97	66320	67330	98920	100430	1.10	8.0	13.8	
4	0.670	4	0.501	0.20	0.197	5.96	8.87	65760	66760	97800	99290	1.10	8.0	13.8	
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BEND TEST:

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

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

Muhammad Ishaq
Junior Research Officer-I, Building Research Station, Lahore

Test Performed By: Dr. /Engr. Bilal Ahmed Khokhar

Client Reference: 154-R/353

SOM Lab
Ref: 323(Page-1/1)

Dated: 13-02-2019

Dated: 19-02-2019

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	2.600	8	0.986	0.79	0.764	24.21	34.05	67590	69890	95050	98290	1.50	8.0	18.8	
2	2.630	8	0.992	0.79	0.773	23.96	33.28	66880	68350	92920	94960	1.40	8.0	17.5	
3	1.517	6	0.754	0.44	0.446	14.32	20.61	71790	70820	103310	101930	1.20	8.0	15.0	
4	1.508	6	0.751	0.44	0.443	16.46	22.50	82520	81960	112770	112000	1.30	8.0	16.3	
5	0.697	4	0.511	0.20	0.205	6.78	8.87	74750	72930	97800	95410	1.40	8.0	17.5	
6	0.684	4	0.506	0.20	0.201	6.44	8.76	71040	70690	96560	96080	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

Cantonment Executive Officer
Lahore

Test Performed By: Dr. /Engr.

Bilal Ahmed
Khokhar

Client Reference: CE/22 Flat/2018-19/D.1211

SOM Lab

Ref: 324Page-1/1)

Dated: 13-02-2019

Dated: 19-02-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	1.474	6	0.743	0.44	0.433	10.42	15.72	52220	53070	78790	80060	1.70	8.0	21.3	
2	1.476	6	0.743	0.44	0.434	10.50	15.72	52630	53360	78790	79880	1.70	8.0	21.3	
3	0.634	4	0.487	0.20	0.186	4.76	7.19	52500	56450	79250	85210	1.50	8.0	18.8	
4	0.636	4	0.488	0.20	0.187	4.91	7.24	54180	57950	79810	85360	1.40	8.0	17.5	
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BEND TEST:

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

Ehsan UI Sadh, Test Performed By: Dr. /Engr. Ubaid A Mughal
 Project Manager, Al Rehman Garden Phase - II, Near Faiz Pur Interchane Sharkpur Road Lahore

Client Reference: nil
 Dated: 12-02-2019

SOM Lab
 Ref: 325(Page-1/1)
 Dated: 19-02-2019

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	1.508	6	0.751	0.44	0.443	17.09	21.00	85690	85110	105260	104540	1.20	8.0	15.0	
2	1.508	6	0.751	0.44	0.443	16.08	20.08	80580	80030	100660	99980	1.20	8.0	15.0	
3	0.657	4	0.496	0.20	0.193	6.93	8.61	76440	79210	94990	98430	1.00	8.0	12.5	
4	0.651	4	0.493	0.20	0.191	6.29	7.92	69360	72630	87340	91460	1.00	8.0	12.5	
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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