

Muhammad Usman

Test Performed By: Dr. /Engr. Rehan Ashrif

Project Manager, Guarantee Engrs.(Pvt)Ltd (Beaconhouse School System TNS 2.0 Gulberg-III Lahore)

Client Reference: TNS/GE/ST/012

Dated: 16-03-2022

SOM Lab Ref: CED/SOM/6067(Page-1/1)

Dated: 16-03-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar

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	3.799	25	24.82	491	484	244.70	325.00	498	506	662	672	35.0	200	17.5	Old
2	3.865	25	25.04	491	492	252.70	328.20	515	514	669	667	35.0	200	17.5	Old
3	3.855	25	25.00	491	491	255.50	333.70	521	521	680	680	30.0	200	15.0	New
4	3.843	25	24.97	491	490	243.20	318.20	495	497	648	650	30.0	200	15.0	New
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Witnessed By: M.Ali Khan (D.M.C)

BEND TEST:

25mm(Old)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
25mm(New)	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

Yasir Ahmad
GM-Works FF Steel Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 6085 (Page-1/1)

Dated: 12-03-2022

Dated: 16-03-2022

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	1.005	5	0.613	0.31	0.295	9.94	13.48	70710	74310	95880	100750	1.20	8.0	15.0	
2	1.004	5	0.613	0.31	0.295	9.79	13.46	69620	73160	95730	100600	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

Sajjad Ali Memon
 RE Pillar & Sons.(Rumanza Golf & Country Club,DHA Multan)

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

Client Reference: P&S/OTH/GEN/00073

SOM Lab

Ref: 6066 (Page-1/1)

Dated: 14-03-2022

Dated: 16-03-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SJ 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	0.670	4	0.501	0.20	0.197	6.93	8.89	76440	77600	98020	99510	1.30	8.0	16.3	
2	0.663	4	0.498	0.20	0.195	6.83	8.87	75320	77250	97800	100300	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

Irfan Siddique

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Building Standards Lahore.(Const. Of Residential Building in Gulberg,Lahore)

Client Reference: GT/LTR/220315-026

SOM Lab

Ref:

6068(Page-1/1)

Dated: 15-03-2022

Dated:

16-03-2022

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	2.588	8	0.984	0.79	0.761	23.85	32.98	66590	69130	92060	95570	1.40	8.0	17.5	
2	2.581	8	0.982	0.79	0.758	23.39	32.33	65310	68070	90270	94080	1.30	8.0	16.3	
3	2.595	8	0.986	0.79	0.763	23.45	32.47	65460	67770	90640	93850	1.50	8.0	18.8	
4	1.661	6	0.788	0.44	0.488	18.98	24.08	95140	85780	120690	108820	1.00	8.0	12.5	
5	1.652	6	0.786	0.44	0.485	17.94	23.34	89930	81590	117010	106150	1.00	8.0	12.5	
6	1.647	6	0.785	0.44	0.484	17.64	23.29	88400	80360	116750	106140	1.00	8.0	12.5	
7	0.650	4	0.493	0.20	0.191	6.75	8.46	74420	77920	93300	97700	1.30	8.0	16.3	
8	0.645	4	0.492	0.20	0.190	6.65	8.46	73290	77150	93300	98210	1.30	8.0	16.3	
9	0.648	4	0.492	0.20	0.190	6.93	8.56	76440	80460	94420	99390	1.30	8.0	16.3	
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BEND TEST:

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

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

Barkallah Tahir,PE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

RE Sitara Heights Pvt.Ltd.(Sitara 3-Jays Tower Firdous Market Lahore)

Client Reference: SHPL/3JAYS/LHR/05

SOM Lab

Ref: 6069 (Page-1a/1)

Dated: 16-03-2022

Dated: 16-03-2022

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	2.729	8	1.011	0.79	0.802	22.75	34.42	63520	62570	96100	94670	1.30	8.0	16.3	A
2	2.727	8	1.010	0.79	0.801	22.96	34.58	64090	63210	96530	95210	1.20	8.0	15.0	A
3	1.544	6	0.760	0.44	0.454	17.23	20.74	86350	83690	103980	100770	1.10	8.0	13.8	A
4	1.526	6	0.755	0.44	0.448	16.26	20.13	81500	80040	100910	99110	1.10	8.0	13.8	A
5	0.673	4	0.502	0.20	0.198	5.86	8.63	64640	65290	95210	96170	1.10	8.0	13.8	A
6	0.654	4	0.494	0.20	0.192	5.68	8.10	62610	65220	89370	93090	1.20	8.0	15.0	A
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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

Barkallah Tahir, PE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Sitara Heights Pvt.Ltd.(Sitara 3-Jays Tower Firdous Market Lahore)

Client Reference: SHPL/3JAYS/LHR/05

SOM Lab

Ref:

6069 (Page-1b/1)

Dated: 16-03-2022

Dated:

16-03-2022

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	2.640	8	0.994	0.79	0.776	21.73	35.75	60670	61770	99800	101600	1.50	8.0	18.8	B
2	2.648	8	0.995	0.79	0.778	21.71	35.75	60620	61550	99800	101340	1.30	8.0	16.3	B
3	1.525	6	0.755	0.44	0.448	17.64	20.59	88400	86820	103210	101370	1.10	8.0	13.8	B
4	1.442	6	0.735	0.44	0.424	15.09	18.78	75620	78480	94120	97670	1.00	8.0	12.5	B
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BEND TEST:

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

Maj Adnan Khalid (R)

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Dy Dir MTL DHA Lahore,(Infra Dev Works Of Sec-U&V DHA Ph-VIII (M/s Ambiance Art& Interior))

Client Reference: 408/241/32/Lab/56/127

SOM Lab

Ref: 6070 (Page-1/1)

Dated: 28-02-2022

Dated: 16-03-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	2.663	8	0.998	0.79	0.783	26.42	34.78	73770	74420	97100	97970	1.30	8.0	16.3	
2	2.692	8	1.004	0.79	0.791	26.40	34.78	73710	73620	97100	96980	1.10	8.0	13.8	
3	1.487	6	0.746	0.44	0.437	14.17	18.55	71020	71510	92990	93630	1.50	8.0	18.8	
4	1.484	6	0.745	0.44	0.436	13.88	18.25	69590	70230	91460	92300	1.50	8.0	18.8	
5	0.700	4	0.512	0.20	0.206	7.14	9.09	78690	76400	100270	97350	1.10	8.0	13.8	
6	0.708	4	0.515	0.20	0.208	7.39	9.33	81500	78360	102860	98900	1.10	8.0	13.8	
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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

