

Engr M. Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil
Dated: 11-06-2020

SOM Lab
Ref: 2561(Page-1/1)
Dated: 11-06-2020

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615
Deformed
Bar

Gauge Length: 8 inch Sample Type:

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	2.659	8	0.997	0.79	0.781	25.81	34.45	72060	72890	96190	97300	1.30	8.0	16.3	
2	2.662	8	0.998	0.79	0.782	24.46	36.39	68300	69000	101600	102640	1.20	8.0	15.0	
3	1.528	6	0.756	0.44	0.449	13.76	20.39	68980	67600	102190	100140	1.20	8.0	15.0	
4	1.521	6	0.754	0.44	0.447	14.02	21.05	70260	69160	105510	103860	1.30	8.0	16.3	
5	0.653	4	0.494	0.20	0.192	5.83	8.51	64300	66980	93860	97770	1.50	8.0	18.8	
6	0.658	4	0.496	0.20	0.193	6.73	9.94	74190	76880	109600	113570	1.30	8.0	16.3	
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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

Syed Mohsin Ali
 Manager QA/QC, Department, Bahria Town, (Pvt) Ltd Lahore

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

Client Reference: QA/QC-Steel-2000

SOM Lab

Ref: 2562(Page-1/1)

Dated: 10-06-2020

Dated: 11-06-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Mughal 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	2.490	8	0.965	0.79	0.732	26.71	34.42	74560	80470	96100	103720	1.30	8.0	16.3	
2	2.578	8	0.982	0.79	0.758	30.75	37.99	85860	89480	106060	110540	1.00	8.0	12.5	
3	1.462	6	0.740	0.44	0.430	13.00	17.30	65150	66660	86710	88730	1.30	8.0	16.3	
4	1.477	6	0.743	0.44	0.434	14.22	17.94	71280	72270	89930	91170	1.00	8.0	12.5	
5	0.652	4	0.494	0.20	0.192	7.05	8.74	77790	81030	96340	100350	1.10	8.0	13.8	
6	0.654	4	0.494	0.20	0.192	6.80	8.56	74980	78100	94420	98360	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

Sub Divisional Officer
Highway Sub Division, Taunsa

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 3351-

SOM Lab

Ref: 2563(Page-2/2)

Dated: 16-05-2020

Dated: 11-06-2020

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	2.698	8	1.005	0.79	0.793	22.38	34.88	62470	62230	97380	97020	1.40	8.0	17.5	
2	2.697	8	1.005	0.79	0.793	22.78	34.53	63610	63370	96390	96020	1.50	8.0	18.8	
3	1.557	6	0.764	0.44	0.458	14.34	20.39	71890	69070	102190	98170	1.40	8.0	17.5	
4	1.542	6	0.759	0.44	0.453	14.80	20.36	74190	72060	102040	99110	1.30	8.0	16.3	
5	0.663	4	0.498	0.20	0.195	6.29	8.72	69360	71140	96110	98580	1.20	8.0	15.0	
6	0.665	4	0.498	0.20	0.195	7.03	9.07	77560	79550	100050	102610	1.40	8.0	17.5	
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8	0.381	3	0.378	0.11	0.112	7.29	8.38	146130	143520	168000	165000	1.40	8.0	17.5	
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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

Awais Anwar
 Lab. Incharge, Model Steel Enterprises (Pvt.) Ltd. Lahore

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

Client Reference: Nil

SOM Lab
 Ref: 2564(Page-1/1)

Dated: 11-06-2020

Dated: 11-06-2020

Test: Tension 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	0.649	4	0.493	0.20	0.191	6.12	8.69	67450	70630	95770	100290	1.00	8.0	12.5	
2	0.650	4	0.493	0.20	0.191	6.03	8.53	66550	69680	94090	98520	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

Maj Adnan khalid®

Test Performed By: Dr. /Engr. Nauman Khurram

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

SOM Lab

Client Reference: 408/241/E/Lab/918/5194

Ref: 2565(Page-1/1)

Dated: 11-06-2020

Dated: 11-06-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Kamran Steel)

Gauge Length: 8 inch

Sample Type:

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	1.476	6	0.743	0.44	0.434	14.98	20.59	75110	76150	103210	104640	1.30	8.0	16.3	
2	1.480	6	0.744	0.44	0.435	15.09	20.54	75620	76490	102960	104140	1.00	8.0	12.5	
3	0.660	8	0.497	0.79	0.194	6.14	8.63	17140	69770	24110	98160	1.20	8.0	15.0	
4	0.659	8	0.497	0.79	0.194	6.07	8.53	16940	68950	23820	97000	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

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

S. Asad Ali Gillani

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

SOM Lab

Client Reference: 408/241/E/Lab/917/5181

Ref: 2566(Page-1/1)

Dated: 11-06-2020

Dated: 11-06-2020

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	2.561	8	0.979	0.79	0.753	24.06	32.49	67160	70460	90700	95150	1.50	8.0	18.8	
2	2.568	8	0.980	0.79	0.755	25.45	34.20	71060	74360	95480	99900	1.40	8.0	17.5	
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BEND TEST:

# 8	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