

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

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: QA/QC-Steel-1514

SOM Lab

Ref: 1131(Page-1/1)

Dated: 18-07-2019

Dated: 18-07-2019

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	0.638	4	0.488	0.20	0.187	6.09	7.95	67110	71780	87680	93780	1.20	8.0	15.0	
2	0.666	4	0.500	0.20	0.196	7.16	9.07	78910	80520	100050	102090	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

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-1515

SOM Lab

Ref: 1132(Page-1/1)

Dated: 18-07-2019

Dated: 18-07-2019

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	0.666	4	0.500	0.20	0.196	7.05	8.74	77790	79380	96340	98300	1.00	8.0	12.5	
2	0.665	4	0.498	0.20	0.195	7.14	8.74	78690	80710	96340	98810	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
Buildings Sub Division, No 15, Lahore

Test Performed By: Dr. /Engr.

S Asad Ali
Gillani

Client Reference: 2399-

SOM Lab

Ref: 1133 (Page-1/1)

Dated: 08-07-2019

Dated: 18-07-2019

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	2.673	8	1.000	0.79	0.786	23.41	33.79	65370	65700	94340	94820	1.60	8.0	20.0	
2	2.677	8	1.001	0.79	0.787	23.55	34.02	65740	65990	94970	95330	1.40	8.0	17.5	
3	1.518	6	0.754	0.44	0.446	13.15	19.47	65910	65030	97590	96280	1.40	8.0	17.5	
4	1.507	6	0.751	0.44	0.443	13.00	19.13	65150	64710	95910	95260	1.50	8.0	18.8	
5	0.676	4	0.503	0.20	0.199	6.24	8.61	68800	69140	94990	95460	1.10	8.0	13.8	
6	0.670	4	0.501	0.20	0.197	6.17	8.66	68010	69050	95550	97000	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

Engr. Emran Qureshi

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Chairman Development Works, NFC Institute of Engineering & Technology, Multan

Client Reference: NFC/IET/Civil/2019/18

SOM Lab

Ref: 1135(Page-1/1)

Dated: 12-07-2019

Dated: 18-07-2019

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	1.476	6	0.743	0.44	0.434	14.65	18.73	73430	74440	93860	95160	1.30	8.0	16.3	
2	1.481	6	0.744	0.44	0.435	14.88	18.86	74600	75460	94530	95610	1.50	8.0	18.8	
3	0.674	4	0.502	0.20	0.198	6.29	8.41	69360	70060	92740	93680	1.50	8.0	18.8	
4	0.672	4	0.501	0.20	0.197	5.86	8.36	64640	65620	92180	93580	1.40	8.0	17.5	
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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

Zafar Alam
Project Director, Sundar Industrial Estate, Lahore

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: SIS/PIE/CIV/48

SOM Lab

Ref: 1136(Page-1/1)

Dated: 18-07-2019

Dated: 18-07-2019

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	0.658	4	0.496	0.20	0.193	6.60	8.66	72730	75370	95550	99010	1.00	8.0	12.5	
2	0.642	4	0.491	0.20	0.189	5.63	7.41	62050	65660	81720	86480	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Assistant Director (Engg)
Parks and Horticulture Authority, Faisalabad

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Dir (Engg)/952/PHA-2019

SOM Lab

Ref: 1137(Page-1/1)

Dated: 15-07-2019

Dated: 18-07-2019

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	1.635	6	0.782	0.44	0.480	16.08	20.76	80580	73860	104080	95410	1.40	8.0	17.5	
2	0.697	4	0.511	0.20	0.205	6.17	8.36	68010	66350	92180	89930	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

Javed Iqbal
Client Engineer, Solitaire of UAE (Pvt) Ltd.

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: HBH/UET/12

SOM Lab

Ref: 1138(Page-1/1)

Dated: 18-07-2019

Dated: 18-07-2019

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	2.594	8	0.985	0.79	0.762	23.65	32.59	66020	68450	90980	94320	1.30	8.0	16.3	
2	2.587	8	0.984	0.79	0.760	23.45	33.03	65460	68040	92210	95840	1.70	8.0	21.3	
3	1.502	6	0.749	0.44	0.441	14.60	19.29	73170	73000	96670	96450	1.20	8.0	15.0	
4	1.511	6	0.752	0.44	0.444	13.27	17.94	66530	65930	89930	89120	1.60	8.0	20.0	
5	0.662	4	0.498	0.20	0.195	6.83	8.63	75320	77250	95210	97650	1.10	8.0	13.8	
6	0.648	4	0.492	0.20	0.190	7.03	8.74	77560	81650	96340	101410	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

Executive Engineer (B& W)
UVAS, Lahore

Test Performed By: Dr. /Engr.

S. asad Ali
Gillani

Client Reference: E. E. 415

Dated: 10-07-2019

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref: 1139 (Page-1/2)

Dated: 18-07-2019

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	0.650	4	0.493	0.20	0.191	6.19	7.82	68230	71450	86220	90280	1.30	8.0	16.3	
2	0.648	4	0.492	0.20	0.190	6.24	7.82	68800	72420	86220	90760	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

Executive Engineer (B& W)
UVAS, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: E. E. 397

SOM Lab

Ref: 1139 (Page-2/2)

Dated: 10-03-2019

Dated: 18-07-2019

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	1.512	6	0.752	0.44	0.444	14.98	20.74	75110	74440	103980	103040	1.10	8.0	13.8	
2	1.492	6	0.747	0.44	0.438	15.49	21.07	77670	78020	105610	106100	1.20	8.0	15.0	
3	0.670	4	0.501	0.20	0.197	6.52	8.69	71940	73040	95770	97230	1.00	8.0	12.5	
4	0.669	4	0.501	0.20	0.197	6.85	8.82	75540	76690	97230	98720	1.10	8.0	13.8	
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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

Sub Divisional Officer
Buildings Sub Division, Pattoki

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 896/P

Dated: 30-04-2019

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1140 (Page-1/1)

Dated: 18-07-2019

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	2.705	8	1.006	0.79	0.795	20.05	30.07	55980	55630	83950	83420	1.60	8.0	20.0	
2	2.699	8	1.005	0.79	0.793	20.08	30.09	56060	55850	84010	83690	1.70	8.0	21.3	
3	1.528	6	0.756	0.44	0.449	10.57	16.79	52990	51930	84160	82470	1.90	8.0	23.8	
4	1.502	6	0.749	0.44	0.441	10.60	16.82	53140	53020	84310	84120	1.80	8.0	22.5	
5	0.672	4	0.501	0.20	0.197	5.20	7.16	57330	58200	78910	80110	1.60	8.0	20.0	
6	0.667	4	0.500	0.20	0.196	5.02	7.29	55310	56440	80370	82010	1.60	8.0	20.0	
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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