

Hamid Ali,
Resident Engineer, M. Garh - D. G. Khan Road

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

Client Reference: 3949/HA/01/233

SOM Lab

Ref: 533(Page-1/1)

Dated: 22-03-2019

Dated: 26-03-2019

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	2.669	8	0.999	0.79	0.784	26.15	37.94	73000	73560	105920	106730	1.30	8.0	16.3	
2	2.662	8	0.998	0.79	0.782	26.20	37.79	73140	73890	105490	106570	1.20	8.0	15.0	
3	0.643	6	0.491	0.44	0.189	5.61	8.23	28110	65430	41240	95990	1.10	8.0	13.8	
4	0.650	6	0.493	0.44	0.191	5.25	8.18	26320	60620	40980	94400	1.00	8.0	12.5	
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BEND TEST:

# 8	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

Engr. Mumtaz Ali
Project Director, GCW University Faisalabad

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

Client Reference: GCWUF/EC/19/68/4

SOM Lab

Ref: 534(Page-1/1)

Dated: 20-03-2019

Dated: 26-03-2019

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	1.495	6	0.748	0.44	0.439	14.34	20.29	71890	72060	101680	101910	1.10	8.0	13.8	
2	1.498	6	0.748	0.44	0.440	15.14	20.46	75880	75880	102550	102550	1.10	8.0	13.8	
3	0.667	4	0.500	0.20	0.196	6.75	8.63	74420	75940	95210	97150	1.00	8.0	12.5	
4	0.655	4	0.494	0.20	0.192	5.61	8.74	61830	64400	96340	100350	0.90	8.0	11.3	
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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

Kashif Rafique

Test Performed By:

Dr. /Engr.

Bilal A. Khokhar

Assistant Director Investigation, Anticorruption Establishment, Dera Ghzi Khan

Client Reference: ACB/ADI/40

SOM Lab

Ref:

535(Page-1/1)

Dated: 22-03-2019

Dated:

26-03-2019

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	2.636	8	0.993	0.79	0.775	24.26	35.19	67730	69040	98240	100140	1.40	8.0	17.5	
2	2.599	8	0.986	0.79	0.764	24.36	35.24	68020	70330	98380	101730	1.30	8.0	16.3	
3	1.460	6	0.739	0.44	0.429	14.22	20.13	71280	73110	100910	103500	1.10	8.0	13.8	
4	1.462	6	0.740	0.44	0.430	14.42	20.20	72300	73980	101270	103630	1.10	8.0	13.8	
5	0.647	4	0.492	0.20	0.190	6.07	8.41	66890	70410	92740	97620	1.30	8.0	16.3	
6	0.650	4	0.493	0.20	0.191	6.07	8.23	66890	70040	90720	94990	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

AI - Qadus
Construction Company, (Regd), Lahore

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

Client Reference: nil

SOM Lab Ref: 536(Page-1/1)

Dated: 26-03-2019

Dated: 26-03-2019

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	0.241	8	0.301	0.79	0.071	26.73	33.71	74620	830220	94110	1047110	1.60	8.0	20.0	
2	2.808	8	1.025	0.79	0.825	25.40	33.18	70920	67910	92630	88700	1.40	8.0	17.5	
3	1.501	6	0.749	0.44	0.441	14.50	18.40	72660	72490	92230	92020	1.30	8.0	16.3	
4	1.542	6	0.759	0.44	0.453	15.06	16.11	75470	73300	80730	78420	1.20	8.0	15.0	
5	0.684	4	0.506	0.20	0.201	7.34	9.38	80940	80530	103420	102900	0.90	8.0	11.3	
6	0.658	4	0.496	0.20	0.193	6.17	8.21	68010	70480	90490	93770	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

Maj Adnan khalid®

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

Dy Dir MTL, Const. of Defence Community Club at Sector - K, DHA PH-VI -, (M/S MAAKSONS)

Client Reference: 408/241/E/Lab/498/1565

SOM Lab

Ref: 537(Page-1/1)

Dated: 26-03-2019

Dated: 26-03-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Mughal 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	2.724	8	1.010	0.79	0.801	30.75	37.72	85860	84680	105300	103850	1.30	8.0	16.3	
2	2.711	8	1.007	0.79	0.797	29.89	37.18	83440	82710	103790	102880	1.10	8.0	13.8	
3	1.596	6	0.773	0.44	0.469	17.81	21.92	89260	83750	109850	103060	1.20	8.0	15.0	
4	1.483	6	0.745	0.44	0.436	15.92	19.67	79810	80540	98610	99520	1.10	8.0	13.8	
5	0.662	4	0.498	0.20	0.195	7.82	9.48	86220	88430	104540	107220	1.00	8.0	12.5	
6	0.663	4	0.498	0.20	0.195	7.67	9.40	84530	86700	103640	106300	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

Maj Adnan khalid®

Test Performed By:

Dr. /Engr.

Bilal A. Khokhar

Dy Dir MTL, Const. of Security Det Mouza Ahlu. PH-X - (M/S EMAAN Engrs)

Client Reference: 408/241/E/Lab/500

SOM Lab

Ref:

538(Page-1/1)

Dated: 26-03-2019

Dated:

26-03-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Saeed

Gauge Length:

8 inch

Sample Type:

Kasur)

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	1.502	6	0.749	0.44	0.441	11.59	19.03	58100	57970	95400	95180	1.20	8.0	15.0	
2	1.490	6	0.747	0.44	0.438	11.50	18.90	57640	57900	94730	95160	1.10	8.0	13.8	
3	0.665	4	0.498	0.20	0.195	6.03	9.09	66550	68250	100270	102840	1.00	8.0	12.5	
4	0.644	4	0.491	0.20	0.189	5.98	9.02	65990	69830	99480	105270	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

Riaz Ahmed
Riaz Construction Co. Lahore

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

Client Reference: nil

SOM Lab

Ref: 539(Page-1/2)

Dated: 26-03-2019

Dated: 26-03-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Mughal 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	1.506	6	0.751	0.44	0.443	15.87	19.54	79560	79020	97950	97290	1.40	8.0	17.5	
2	0.656	4	0.496	0.20	0.193	6.71	12.07	73970	76650	133090	137920	0.80	8.0	10.0	
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BEND TEST:

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

Riaz Ahmed
Riaz Construction Co. Lahore

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

Client Reference: nil

SOM Lab

Ref: 539(Page-2/2)

Dated: 26-03-2019

Dated: 26-03-2019

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	1.552	6	0.762	0.44	0.456	13.32	21.10	66780	64440	105770	102060	1.50	8.0	18.8	
2	0.649	4	0.493	0.20	0.191	7.30	12.29	80490	84280	135560	141950	0.90	8.0	11.3	
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BEND TEST:

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