

M/S GHS Construction Co.
Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: nil
Dated: 25-07-2019

SOM Lab
Ref: 1179 (Page-1/1)
Dated: 25-07-2019

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615
Deformed Bar(FF
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	2.597	8	0.986	0.79	0.763	25.45	34.51	71060	73580	96330	99740	1.30	8.0	16.3	
2	1.482	6	0.745	0.44	0.436	12.69	19.72	63620	64200	98870	99780	1.40	8.0	17.5	
3	0.654	4	0.494	0.20	0.192	5.20	7.49	57330	59720	82620	86060	1.70	8.0	21.3	
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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	
# 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

Assistant Engineer
LG & CD Civil Sub Division, Sialkot

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 1119-

SOM Lab

Ref: 1180 (Page-2/2)

Dated: 18-07-2019

Dated: 25-07-2019

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	0.652	4	0.494	0.20	0.192	5.73	7.00	63180	65810	77230	80440	1.00	8.0	12.5	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Assistant Engineer
LG & CD Civil Sub Division, Sialkot

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 1120-

SOM Lab

Ref: 1180 (Page-1/2)

Dated: 18-07-2019

Dated: 25-07-2019

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	0.644	4	0.491	0.20	0.189	5.32	6.68	58680	62100	73630	77910	1.20	8.0	15.0	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample 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

By Dir MTL, Const. of OHWT & Tube Well X-Block Ph -III, (M/S N. A. Associates)

Client Reference: 408/241/E/Lab/647/223

SOM Lab

Ref: 1181(Page-1/1)

Dated: 22-07-2019

Dated: 25-07-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	2.625	8	0.991	0.79	0.771	23.67	34.00	66080	67710	94910	97250	1.40	8.0	17.5	
2	2.604	8	0.987	0.79	0.765	23.19	33.76	64740	66860	94250	97330	1.30	8.0	16.3	
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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

Engr. Ali Raza

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Planning & Control Engineer, MS Construction, Mukhtar Sons, (Pvt) Ltd, Lahore

Client Reference: nil

SOM Lab

Ref: 1182(P-1/1)

Dated: 24-7-2019

Dated: 25-07-2019

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	2.647	8	0.995	0.79	0.778	24.94	33.69	69640	70710	94050	95510	1.30	8.0	16.3	
2	2.651	8	0.996	0.79	0.779	27.08	34.58	75610	76680	96530	97890	1.20	8.0	15.0	
3	1.563	6	0.764	0.44	0.459	17.15	20.85	85940	82390	104490	100170	1.10	8.0	13.8	
4	1.558	6	0.764	0.44	0.458	17.28	20.87	86610	83200	104590	100480	1.10	8.0	13.8	
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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