

Abrar Hussain

Test Performed By:

Dr. /Engr. Nauman Khurram

G. M - Engineering, Mughals Pakistan (Ovt) Ltd.

Client Reference: 786/MPL-0074/030901/2021

SOM Lab Ref: 4930(Page-1/1)

Dated: 03-09-2021

Dated: 06-09-2021

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	1.524	6	0.755	0.44	0.448	16.43	20.20	82370	80900	101270	99460	1.20	8.0	15.0	
2	1.513	6	0.753	0.44	0.445	15.67	19.85	78530	77650	99480	98370	1.00	8.0	12.5	
3	0.676	4	0.503	0.20	0.199	5.91	8.79	65200	65530	96900	97380	1.30	8.0	16.3	
4	0.677	4	0.503	0.20	0.199	5.96	8.79	65760	66090	96900	97380	1.20	8.0	15.0	
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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
Highway Sub Division No. 15, Lahore

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

Client Reference: 168/SDO-1705

SOM Lab Ref: 4931(Page-1/1)

Dated: 21-08-2021

Dated: 06-09-2020

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	1.468	6	0.741	0.44	0.431	12.03	17.84	60290	61550	89420	91280	1.20	8.0	15.0	
2	1.471	6	0.742	0.44	0.432	12.05	17.96	60400	61520	90030	91700	1.10	8.0	13.8	
3	1.047	5	0.626	0.31	0.308	10.86	13.97	77240	77740	99360	100000	1.10	8.0	13.8	
4	1.077	5	0.635	0.31	0.317	10.80	13.71	76800	75110	97540	95390	0.90	8.0	11.3	
5	0.663	4	0.498	0.20	0.195	6.17	8.74	68010	69750	96340	98810	0.90	8.0	11.3	
6	0.665	4	0.498	0.20	0.195	6.03	8.56	66550	68250	94420	96850	0.90	8.0	11.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 5	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

Muhammad Zubair Yousaf
 Manager Monitoring & Coordination, , Shajar Roads Limited. Lahore

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

Client Reference: MMC/SRL/SGRP/86

SOM Lab Ref: 4561 (Page-1/1)

Dated: 27-06-2021

Dated: 28-06-2021

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	0.658	4	0.496	0.20	0.193	6.83	8.61	75320	78050	94990	98430	1.00	8.0	12.5	
2	0.663	4	0.498	0.20	0.195	6.63	8.10	73070	74940	89370	91660	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

Muhammad Shaukat
 Manager Monitoring & Coordination, , Shajar Roads Limited. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: MMC/SRL/SGRP/125

SOM Lab Ref: 4932 (Page-1/2)

Dated: 04-09-2021

Dated: 06-09-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Batala Premium)

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	1.033	5	0.622	0.31	0.304	8.61	13.40	61280	62490	95370	97250	1.30	8.0	16.3	
2	1.030	5	0.621	0.31	0.303	8.58	13.43	61070	62480	95510	97720	1.40	8.0	17.5	
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BEND TEST:

# 5	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

Muhammad Shaukat
 Manager Monitoring & Coordination, , Shajar Roads Limited. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: MMC/SRL/SGRP/126

SOM Lab Ref: 4932 (Page-2/2)

Dated: 04-09-2021

Dated: 06-09-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Batala Premium)

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	2.656	8	0.997	0.79	0.781	25.10	37.56	70070	70870	104870	106080	1.30	8.0	16.3	
2	2.660	8	0.998	0.79	0.782	24.87	37.13	69440	70150	103640	104710	1.20	8.0	15.0	
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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

Toqeer Afzal
G E (Army) Const LRC

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

Client Reference: 754/69/E-6

SOM Lab Ref: 4933(Page-1/1)

Dated: 04-07-2021

Dated: 06-09-2021

Test: Tension Test

Test Specification:

ASTM-A-615

Guage 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	1.508	6	0.751	0.44	0.443	13.81	19.24	69240	68770	96420	95760	1.40	8.0	17.5	
2	1.496	6	0.748	0.44	0.440	13.68	19.22	68570	68570	96320	96320	1.20	8.0	15.0	
3	1.070	5	0.632	0.31	0.314	10.42	13.68	74120	73180	97330	96090	1.30	8.0	16.3	
4	0.589	4	0.469	0.20	0.173	6.60	7.59	72730	84080	83750	96820	0.90	8.0	11.3	
5	0.585	4	0.468	0.20	0.172	6.75	7.70	74420	86530	84870	98690	0.90	8.0	11.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
# 5	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

Project Manager

Test Performed By:

Dr. /Engr. Nauman Khurram

Green View Executive Apartments DHA Phase V, Lahore

Client Reference: nil

SOM Lab Ref: 4934(Page-1/1)

Dated: 06-09-2021

Dated: 06-09-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage 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	2.677	8	1.001	0.79	0.787	25.25	31.52	70490	70760	87990	88330	1.60	8.0	20.0	
2	2.666	8	0.998	0.79	0.783	24.74	31.06	69070	69690	86710	87490	1.60	8.0	20.0	
3	1.591	6	0.772	0.44	0.468	20.10	23.67	100760	94730	118640	111540	1.00	8.0	12.5	
4	1.596	6	0.773	0.44	0.469	19.54	23.29	97950	91890	116750	109530	1.10	8.0	13.8	
5	0.667	4	0.500	0.20	0.196	6.52	8.36	71940	73410	92180	94060	1.20	8.0	15.0	
6	0.676	4	0.503	0.20	0.199	6.49	8.33	71610	71970	91840	92300	1.00	8.0	12.5	
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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

Deputy Director FDA City
Faisalabad Dev, Authority, Faisalabad

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: QCD/ FDA-CITY/2021

SOM Lab Ref: 4935(Page-1/1)

Dated: 19-08-2021

Dated: 06-09-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

ASTM-A-615

Guage Length: 8 inch

Sample Type: Deformed Bar

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	1.491	6	0.747	0.44	0.438	14.02	19.22	70260	70580	96320	96750	1.40	8.0	17.5	
2	1.489	6	0.747	0.44	0.438	12.97	18.57	65000	65290	93100	93520	1.50	8.0	18.8	
3	0.646	4	0.492	0.20	0.190	6.19	7.82	68230	71830	86220	90760	0.90	8.0	11.3	
4	0.646	4	0.492	0.20	0.190	6.12	7.85	67450	71000	86560	91110	1.00	8.0	12.5	
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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