

Municipal Officer (I&S)  
Municipal Corporation Kamoke

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

Client Reference: MC/KMK/999

SOM Lab

Ref: 2848 (Page-1/1)

Dated: 15-08-2020

Dated: 18-08-2020

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.673	4	0.502	0.20	0.198	7.21	8.66	79470	80280	95550	96510	1.00	8.0	12.5	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Sub Divisional Officer  
Highway Sub Division, (M & R) Gujrat

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

Client Reference: 53/GT

SOM Lab

Ref: 2849 (Page-1/1)

Dated: 30-07-2020

Dated: 18-08-2020

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.505	6	0.750	0.44	0.442	15.80	19.11	79200	78840	95800	95370	1.00	8.0	12.5	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Mr Asif Ali Sayyal  
 Site Engineer, Usman Industries, 56-B-3, Gulberg III, Lahore

**Test Performed By:**

Dr. /Engr.

S. Asad Ali  
Gillani

**Client Reference:** Nil

**Dated:** 18-08-2020

**Test:** Tension Test & Bend Test

**Gauge Length:** 8 inch

**Test Specification:**

**Sample Type:**

**SOM Lab**

**Ref:** 2850 (Page-1/1)

**Dated:** 18-08-2020

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.633	8	0.993	0.79	0.774	23.19	34.73	64740	66080	96960	98960	1.10	8.0	13.8	
2	2.631	8	0.992	0.79	0.773	24.24	34.86	67680	69160	97330	99470	1.30	8.0	16.3	
3	0.668	4	0.500	0.20	0.196	6.34	9.58	69920	71350	105670	107820	1.00	8.0	12.5	
4	0.665	4	0.498	0.20	0.195	6.24	9.40	68800	70560	103640	106300	1.10	8.0	13.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Abdul Ghafar  
Project Manager Liberty Builders, Lahore

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

Client Reference: ST/UET/ 20200824

SOM Lab

Ref: 2868(Page-1/1)

Dated: 24-08-2020

Dated: 24-08-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar( AF 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.454	6	0.737	0.44	0.427	12.74	17.94	63870	65820	89930	92670	1.40	8.0	17.5	
2	1.479	6	0.744	0.44	0.435	12.84	18.22	64380	65120	91310	92360	1.20	8.0	15.0	
3	1.453	6	0.737	0.44	0.427	12.23	17.50	61320	63180	87730	90400	1.20	8.0	15.0	
4	0.676	4	0.503	0.20	0.199	6.68	8.51	73630	74000	93860	94330	1.00	8.0	12.5	
5	0.673	4	0.502	0.20	0.198	7.19	9.07	79250	80050	100050	101060	1.00	8.0	12.5	
6	0.684	4	0.506	0.20	0.201	6.90	8.77	76100	75720	96670	96190	1.00	8.0	12.5	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Eight 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](http://www.uet-civil.edu.pk)

Maj Adnan khalid®

**Test Performed By:**

Dr. /Engr.

Nauman Khurram

Dy Dir MTL, Infra Dev Works Sector -Q, Phase -9 (Prism) - (M/S DHA Const Coy)

**Client Reference:** 408/241/E/Lab/962/14

**SOM Lab**

**Ref:**

2852(Page-1/1)

**Dated:** 17-08-2020

**Dated:**

18-08-2020

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.490	6	0.747	0.44	0.438	17.58	21.07	88140	88540	105610	106100	1.30	8.0	16.3	
2	1.475	6	0.743	0.44	0.433	17.33	20.92	86860	88270	104850	106540	1.20	8.0	15.0	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Maj Adnan khalid@

**Test Performed By:**

Dr. /Engr. S. Asad Ali Gillani

Dy Dir MTL, Const. of Entry Gate Towards Ring Road Sector-F, Prism-9, DHA Ph-9(-M/S NA Associates)

**Client Reference:** 408/241/E/Lab/963/38

**SOM Lab Ref:** 2853(Page-1/1)

**Dated:** 18-08-2020

**Dated:** 18-08-2020

**Test:** Tension Test & Bend Test

**Test Specification:**

ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:**

Deformed Bar (AF 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.674	4	0.502	0.20	0.198	7.14	9.50	78690	79480	104770	105820	1.20	8.0	15.0	
2	0.680	4	0.505	0.20	0.200	7.19	9.25	79250	79250	101960	101960	1.10	8.0	13.8	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three 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](http://www.uet-civil.edu.pk)