

Muhammad Affan  
Project Manager, ICON Valley, Lahore

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

Client Reference: Nil

SOM Lab

Ref: 558(Page-1/1)

Dated: 28-03-2019

Dated: 29-03-2019

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.552	8	0.977	0.79	0.750	21.41	31.77	59760	62950	88700	93440	1.20	8.0	15.0	
2	2.532	8	0.973	0.79	0.744	21.76	32.28	60760	64520	90130	95700	1.30	8.0	16.3	
3	1.477	6	0.743	0.44	0.434	13.07	18.67	65510	66410	93610	94900	1.50	8.0	18.8	
4	1.467	6	0.741	0.44	0.431	13.27	18.78	66530	67920	94120	96080	1.30	8.0	16.3	
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**BEND TEST:**

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

Resident Engineer,  
Engineering Services Consultants, (Pvt) Ltd. Faisalabad City

Test Performed By: Dr. /Engr.

S Asad Ali  
Gillani

Client Reference: RE/ESC/SCFC-2018/12

Dated: 14-03-2019

SOM Lab

Ref: 562(Page-1/1)

Dated: 29-03-2019

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.468	6	0.741	0.44	0.431	13.15	18.71	65910	67290	93760	95720	1.40	8.0	17.5	
2	1.483	6	0.745	0.44	0.436	13.25	19.03	66430	67040	95400	96270	1.40	8.0	17.5	
3	0.640	4	0.489	0.20	0.188	6.19	8.31	68230	72590	91610	97460	1.30	8.0	16.3	
4	0.637	4	0.488	0.20	0.187	5.93	8.18	65420	69970	90150	96420	1.30	8.0	16.3	
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**BEND TEST:**

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

Asif Pervaiz Butt  
PM, Pace Cercle, Lahore

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

Client Reference: nil  
Dated: 29-03-2019

SOM Lab  
Ref: 563(Page-1/1)  
Dated: 29-03-2019

Test: Tension Test & Bend Test

Test Specification:

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.569	8	0.980	0.79	0.755	26.32	33.25	73480	76890	92830	97130	1.40	8.0	17.5	
2	2.575	8	0.982	0.79	0.757	26.12	34.83	72910	76090	97240	101480	1.50	8.0	18.8	
3	0.595	4	0.472	0.20	0.175	6.44	7.75	71040	81190	85430	97640	1.00	8.0	12.5	
4	0.590	4	0.469	0.20	0.173	6.29	7.46	69360	80180	82290	95130	1.10	8.0	13.8	
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**BEND TEST:**

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

Madina Steel Industry  
Kasur

Test Performed By: Dr. /Engr.

S. asad Ali  
Gillani

Client Reference: ni

Dated: 29-03-2019

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 566(Page-1/1)

Dated: 29-03-2019

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.533	6	0.758	0.44	0.451	13.07	21.33	65510	63910	106890	104280	1.30	8.0	16.3	
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**BEND TEST:**

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

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