

Muhammad Affan
Project Manager, ICON Valley, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 810(Page-1/1)

Dated: 11-05-2019

Dated: 14-05-2019

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.599	8	0.986	0.79	0.764	24.87	34.66	69440	71800	96760	100050	1.20	8.0	15.0	
2	2.590	8	0.984	0.79	0.761	24.41	34.56	68160	70760	96470	100150	1.30	8.0	16.3	
3	1.473	6	0.743	0.44	0.433	12.86	18.67	64480	65530	93610	95120	1.20	8.0	15.0	
4	1.474	6	0.743	0.44	0.433	12.39	17.84	62080	63090	89420	90860	1.30	8.0	16.3	
5	0.613	4	0.479	0.20	0.180	6.78	8.66	74750	83060	95550	106160	1.20	8.0	15.0	
6	0.631	4	0.485	0.20	0.185	6.65	8.61	73290	79230	94990	102690	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

Abid Sultan
Admin Manager, Variant, 25-t-Gulberg- 2, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: VA/23/127

Dated: 13-05-2019

Test: Tension & Bend Test
Guage Length: 8 inch

Test Specification:
Sample Type:

SOM Lab 811(Page-
Ref: 1/1)
Dated: 14-05-2019
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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.484	6	0.745	0.44	0.436	15.04	19.59	75370	76060	98210	99110	1.40	8.0	17.5	
2	1.059	5	0.629	0.31	0.311	10.67	13.27	75930	75690	94420	94120	1.40	8.0	17.5	
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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

Engr Rameez Khalid
Resident Engineer, Dr AQ Khan Hospital, Lahore

Test Performed By: Dr. /Engr. M Irfan UI Hassan

Client Reference: AEC/LHR-I/2019/578

SOM Lab

Ref: 813(Page-1/1)

Dated: 13-05-2019

Dated: 14-05-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Deformed Bar(S J

Gauge Length: 8 inch

Sample Type:

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	0.605	4	0.476	0.20	0.178	6.88	8.84	75880	85260	97460	109500	1.00	8.0	12.5	
2	0.608	4	0.477	0.20	0.179	6.39	7.90	70480	78750	87120	97340	0.90	8.0	11.3	
3	0.605	4	0.476	0.20	0.178	6.32	7.67	69700	78310	84530	94980	0.90	8.0	11.3	
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Witnessed By: Engr Rameez

BEND TEST:

--	No Bend test performed	Note:- Only Three Samples Received and Tested

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

Muhammad Aftab

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Asstt to General Manager, Banu Mukhtar Contracting (Pvt) Ltd. Lahore

Client Reference: BML/10891/003

SOM Lab

Ref:

814(Page-1/1)

Dated: 14-05-2019

Dated:

14-05-2019

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	2.507	8	0.969	0.79	0.737	27.78	34.00	77550	83130	94910	101730	1.30	8.0	16.3	
2	2.507	8	0.969	0.79	0.737	25.89	32.11	72290	77480	89640	96090	1.20	8.0	15.0	
3	1.561	6	0.764	0.44	0.459	16.67	21.38	83540	80080	107150	102710	1.10	8.0	13.8	
4	1.571	6	0.767	0.44	0.462	17.79	22.32	89160	84920	111900	106570	1.20	8.0	15.0	
5	1.000	5	0.612	0.31	0.294	11.01	13.58	78330	82590	96600	101860	1.10	8.0	13.8	
6	1.026	5	0.620	0.31	0.302	11.49	13.97	81730	83900	99360	101990	1.10	8.0	13.8	
7	0.606	4	0.476	0.20	0.178	6.07	8.28	66890	75150	91280	102560	0.90	8.0	11.3	
8	0.597	4	0.472	0.20	0.175	7.29	8.51	80370	91860	93860	107270	0.90	8.0	11.3	
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BEND TEST:

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

Maj Adnan khalid®

Dy Dir MTL, Const. of 1-Kanal Villas at DRGCC Club House DHA Ph-6 (M/S Linker Developers Pvt. Ltd.)

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Client Reference: 408/241/E/Lab/569/123

SOM Lab Ref: 815(Page-1/1)

Dated: 14-05-2019

Dated: 14-05-2019

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	1.522	6	0.754	0.44	0.447	13.00	19.06	65150	64130	95550	94050	1.40	8.0	17.5	
2	1.524	6	0.755	0.44	0.448	13.12	19.11	65760	64590	95800	94090	1.60	8.0	20.0	
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BEND TEST:

# 6	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