

Engr M. Naveed Sadiq
Resident Engineer, Orbit Housing Lahore

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

Client Reference: Nil

SOM Lab

Ref: 2871(Page-1/1)

Dated: 26-08-2020

Dated: 26-08-2020

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.514	6	0.753	0.44	0.445	13.48	19.27	67550	66790	96570	95490	1.00	8.0	12.5	
2	1.515	6	0.753	0.44	0.445	16.16	21.83	80990	80080	109450	108220	0.90	8.0	11.3	
3	0.666	4	0.500	0.20	0.196	8.10	10.19	89370	91190	112410	114700	1.00	8.0	12.5	
4	0.661	4	0.497	0.20	0.194	7.90	9.99	87120	89810	110160	113570	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

M. Sohail Anjum

Project Manager, MEK Multistory Offices, P-156, Gulberg-II, Lahore

Test Performed By:

Dr. /Engr.

M. Irfan Ul Hassan

Client Reference: P-156-121

Dated: 24-08--2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 2872(Page-1/1)

Dated: 24-08-2020

Test Specification: ASTM-A-615

Deformed Bar(MUGHAL Steel)

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	2.546	8	0.976	0.79	0.748	24.06	31.09	67160	70930	86800	91670	1.30	8.0	16.3	
2	2.589	8	0.984	0.79	0.761	22.53	29.87	62890	65290	83380	86560	1.50	8.0	18.8	
3	1.513	6	0.753	0.44	0.445	13.97	18.04	70000	69220	90440	89420	1.00	8.0	12.5	
4	1.509	6	0.751	0.44	0.443	13.86	18.04	69490	69020	90440	89830	1.40	8.0	17.5	
5	0.658	4	0.496	0.20	0.193	7.03	8.56	77560	80380	94420	97850	1.00	8.0	12.5	
6	0.641	4	0.489	0.20	0.188	6.93	8.87	76440	81320	97800	104040	0.90	8.0	11.3	
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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

Muhammad Shafat Hameed
Project Manager, Vision Developers (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Nil

Dated: 24-08-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2873(Page-1/1)

Dated: 25-08-2020

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.657	8	0.997	0.79	0.781	25.23	33.94	70440	71250	94770	95860	1.20	8.0	15.0	
2	1.480	6	0.744	0.44	0.435	13.73	19.32	68830	69620	96830	97940	1.00	8.0	12.5	
3	0.662	4	0.498	0.20	0.195	6.29	8.10	69360	71140	89370	91660	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	
# 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

Sr. Resident Engineer,
Abdullah Khan Architect CIMS, Site Office, DHAB, ISLAMABAD

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

Client Reference: SRE/KB/01/CIMS/SITE/Lab/02

SOM Lab 2874(Page-

Ref: 1/1)

Dated: 21-08-2020

Dated: 24-08-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Guage Length: 8 inch

Sample Type: Deformed Bar (Kamran 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	2.654	8	0.997	0.79	0.780	26.10	35.07	72850	73790	97900	99150	1.60	8.0	20.0	
2	2.661	8	0.998	0.79	0.782	26.30	35.17	73420	74170	98180	99190	1.40	8.0	17.5	
3	1.482	6	0.745	0.44	0.436	12.74	18.25	63870	64460	91460	92300	1.40	8.0	17.5	
4	1.482	6	0.745	0.44	0.436	12.54	18.35	62850	63430	91970	92820	1.40	8.0	17.5	
5	0.669	4	0.501	0.20	0.197	5.77	8.46	63630	64590	93300	94720	1.10	8.0	13.8	
6	0.672	4	0.501	0.20	0.197	5.71	8.36	62950	63910	92180	93580	1.10	8.0	13.8	
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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

Assistant Executive Engineer,
Pakistan Railways, Faisalabad

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

Client Reference: W/3/Spl/2020
Dated: 24-08-2020
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 2875(Page-1/1)
Dated: 25-08-2020
Test Specification: ASTM-A-615
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	0.657	4	0.496	0.20	0.193	7.21	8.48	79470	82360	93530	96920	1.10	8.0	13.8	
2	0.659	4	0.497	0.20	0.194	7.21	8.51	79470	81930	93860	96770	1.20	8.0	15.0	
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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

Engr.Ghulam Sarwar

Resident Engineer, Veoi Integrity & Safety Pakistan (Pvt) Ltd. (Railway Station at Nankana Sahib Pakistan Railway)

Test Performed By:

Dr. /Engr. S. Asad Ali Gilla

Client Reference: V84-L-ES-47

SOM Lab Ref: 2877(Page-1/1)

Dated: 25-08-2020

Dated: 25-08-2020

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
		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	2.671	8	1.000	0.79	0.785	25.05	32.26	69920	70370	90070	90640	1.30	8.0	16.3
2	0.669	4	0.501	0.20	0.197	6.47	8.41	71380	72470	92740	94150	1.20	8.0	15.0
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BEND TEST:

# 8	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

