

M. Asif Test Performed By: Dr. /Engr. M Rizwan Riaz
 Construction Manger, Depac Archtects Developers Builders (King Edward Medical University, Lahore)

Client Reference: C-03/Civil/18 SOM Lab Ref: 184(page-1/1)
 Dated: 24-01-2019 Dated: 24-01-2019

Test: Tension Test Test Specification: ASTM-A-615
 Gauge Length: 8 inch Sample Type: Deformed Bar(Bilal 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	2.648	8	0.995	0.79	0.778	26.83	36.14	74900	76060	100880	102440	1.60	8.0	20.0	
2	1.451	6	0.736	0.44	0.426	15.39	19.80	77160	79690	99230	102490	1.00	8.0	12.5	
3	0.649	4	0.493	0.20	0.191	6.17	8.94	68010	71210	98580	103230	1.00	8.0	12.5	
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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

M. Asif Test Performed By: Dr. /Engr. M Rizwan Riaz
 Construction Manger, Depac Archtects Developers Builders (King Edward Medical University, Lahore)

Client Reference: C-03/Civil/18 SOM Lab Ref: 184(page-1/1)
 Dated: 24-01-2019 Dated: 24-01-2019

Test: Tension Test Test Specification: ASTM-A-615
 Gauge Length: 8 inch Sample Type: Deformed Bar(Bilal 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	2.648	8	0.995	0.79	0.778	26.83	36.14	74900	76060	100880	102440	1.60	8.0	20.0	
2	1.451	6	0.736	0.44	0.426	15.39	19.80	77160	79690	99230	102490	1.00	8.0	12.5	
3	0.649	4	0.493	0.20	0.191	6.17	8.94	68010	71210	98580	103230	1.00	8.0	12.5	
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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

Sub Divisional Officer
Buildings Sub Division, Sohawa

Test Performed By: Dr. /Engr. M Rizwan Riaz

Client Reference: 285/SOH

SOM Lab

Ref: 186(page-1/1)

Dated: 24--11-2018

Dated: 24-01-2019

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	2.712	8	1.007	0.79	0.797	19.93	30.09	55640	55150	84010	83270	1.80	8.0	22.5	
2	1.470	6	0.742	0.44	0.432	10.09	15.09	50590	51520	75620	77020	2.00	8.0	25.0	
3	0.669	4	0.501	0.20	0.197	5.66	8.31	62390	63340	91610	93010	1.50	8.0	18.8	
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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

Prof . Dr. Aman Ullah Khan

Test Performed By:

Dr. /Engr. M Rizwan Riaz

Acting Project Director, Air University, Multan Campus, 4-5th Floor, Khan Centre, Abdali Road, Multan

Client Reference: MUX/AUMC/AB1/2018/46

SOM Lab Ref: 187(P-1/1)

Dated: 23-01-2019

Dated: 24-01-2019

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	1.477	6	0.743	0.44	0.434	15.77	20.23	79050	80140	101420	102830	1.00	8.0	12.5	
2	1.488	6	0.746	0.44	0.437	15.90	20.13	79710	80260	100910	101610	1.00	8.0	12.5	
3	1.049	5	0.626	0.31	0.308	11.67	13.97	83040	83580	99360	100000	1.00	8.0	12.5	
4	1.041	5	0.624	0.31	0.306	11.21	13.32	79780	80820	94790	96030	1.10	8.0	13.8	
5	0.649	4	0.493	0.20	0.191	5.25	7.54	57890	60620	83180	87100	1.30	8.0	16.3	
6	0.653	4	0.494	0.20	0.192	5.22	7.59	57560	59950	83750	87240	1.60	8.0	20.0	
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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

Chief Engineer/Project Director
Lahore College For Women University, Lahore

Test Performed By: Dr. /Engr. M Rizwan Riaz

Client Reference: 939-

SOM Lab

Ref: 188(Page-2/2)

Dated: 23-01-2019

Dated: 24-01-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Tor 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	1.538	6	0.759	0.44	0.452	13.91	18.57	69750	67900	93100	90620	0.50	4.0	12.5	
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BEND TEST:

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

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

Chief Engineer/Project Director
Lahore College For Women University, Lahore

Test Performed By: Dr. /Engr. M Rizwan Riaz

Client Reference: 939-

SOM Lab

Ref: 188(Page-1/2)

Dated: 23-01-2019

Dated: 24-01-2019

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	2.660	8	0.998	0.79	0.782	29.15	36.85	81390	82220	102880	103930	1.00	8.0	12.5	
2	0.668	4	0.500	0.20	0.196	4.74	7.16	52270	53340	78910	80520	1.60	8.0	20.0	
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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

Abdullah Khadim
Resident Engineer, DAR Engineering

Test Performed By: Dr. /Engr. M Rizwan Riaz

Client Reference: DB-78/DAR/RE/ME/2019/0176

SOM Lab

Ref: 190(Page-1/1)

Dated: 24-01-2019

Dated: 24-01-2019

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	0.633	4	0.487	0.20	0.186	6.19	8.82	68230	73370	97230	104550	1.30	8.0	16.3	P-09
2	0.655	4	0.494	0.20	0.192	6.70	9.25	73850	76930	101960	106200	1.30	8.0	16.3	P-09
3	0.643	4	0.491	0.20	0.189	5.96	8.18	65760	69590	90150	95400	1.50	8.0	18.8	P-36
4	0.633	4	0.487	0.20	0.186	6.14	8.23	67670	72770	90720	97540	1.40	8.0	17.5	P-36
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BEND TEST:

# 4	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

