

Abdul Ghafar
Project Manager Liberty Builders, Lahore

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

Client Reference: CONC - 20190709

SOM Lab

Ref: 1065(Page-1/1)

Dated: 09-07-2019

Dated: 0907-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Model 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	2.609	8	0.988	0.79	0.767	26.50	33.20	73990	76210	92690	95470	1.30	8.0	16.3	
2	2.594	8	0.985	0.79	0.762	26.88	34.25	75050	77800	95620	99130	1.40	8.0	17.5	
3	2.574	8	0.981	0.79	0.756	25.96	33.03	72480	75740	92210	96350	1.20	8.0	15.0	
4	1.475	6	0.743	0.44	0.433	16.43	20.46	82370	83700	102550	104210	1.00	8.0	12.5	
5	1.467	6	0.741	0.44	0.431	17.07	19.88	85590	87370	99640	101720	1.00	8.0	12.5	
6	1.489	6	0.747	0.44	0.438	19.98	22.94	100150	100600	114960	115490	1.10	8.0	13.8	
7	0.643	4	0.491	0.20	0.189	7.16	9.23	78910	83510	101730	107650	1.10	8.0	13.8	
8	0.649	4	0.493	0.20	0.191	7.54	9.63	83180	87100	106230	111230	1.10	8.0	13.8	
9	0.647	4	0.492	0.20	0.190	7.19	9.12	79250	83420	100610	105900	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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	
# 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

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Test Performed By: Dr. /Engr. Amna Rajput

Dy Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: 408/241/E/Lab/628/2826

SOM Lab

Ref: 1059(Page-1/1)

Dated: 05-07-2019

Dated: 08-07-2019

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	2.553	8	0.977	0.79	0.750	24.33	33.30	67930	71550	92970	97930	1.20	8.0	15.0	
2	2.573	8	0.981	0.79	0.756	24.57	33.66	68590	71670	93970	98200	1.30	8.0	16.3	
3	1.466	6	0.741	0.44	0.431	11.77	17.23	59020	60250	86350	88160	1.50	8.0	18.8	
4	1.469	6	0.742	0.44	0.432	11.74	17.18	58860	59950	86100	87690	1.50	8.0	18.8	
5	0.646	4	0.492	0.20	0.190	5.71	8.05	62950	66260	88800	93480	1.50	8.0	18.8	
6	0.643	4	0.491	0.20	0.189	5.68	8.05	62610	66260	88800	93970	1.50	8.0	18.8	
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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

Rizwan Ur Rehman
 Execuive Engineer, GE (Navy) Lahore

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

Client Reference: 6021/138/6/E-6

SOM Lab

Ref: 1060(Page-1/1)

Dated: 01-07-2019

Dated: 08-07-2019

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.488	6	0.746	0.44	0.437	13.63	19.57	68320	68790	98100	98780	1.50	8.0	18.8	
2	1.483	6	0.745	0.44	0.436	14.24	19.75	71380	72040	98970	99880	1.40	8.0	17.5	
3	1.051	5	0.627	0.31	0.309	10.67	14.09	75930	76180	100230	100550	1.10	8.0	13.8	
4	1.053	5	0.627	0.31	0.309	10.62	13.88	75570	75810	98780	99100	0.90	8.0	11.3	
5	0.678	4	0.503	0.20	0.199	5.05	7.24	55650	55920	79810	80210	1.60	8.0	20.0	
6	0.677	4	0.503	0.20	0.199	4.99	7.10	55080	55360	78350	78740	1.50	8.0	18.8	
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BEND TEST:

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

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

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Test Performed By: Dr. /Engr.

M Irfan UI Hassan

Dy Dir MTL, Const of Mosque , Sector -T, DHA Ph-VIII - (M/S Siddique Sons)

Client Reference: 408/241/E/Lab/629/44

SOM Lab

Ref: 1061(Page-1/1)

Dated: 08-07-2019

Dated: 08-07-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (FF 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	0.655	4	0.494	0.20	0.192	5.50	8.56	60700	63230	94420	98360	1.30	8.0	16.3	
2	0.651	4	0.493	0.20	0.191	5.71	9.07	62950	65920	100050	104760	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

Usman Ali
Project Manager, Maypole Lime Light (Pvt) Ltd.

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

Client Reference: MLL-01

SOM Lab

Ref: 1062(Page-1/1)

Dated: 08-07-2019

Dated: 08-07-2019

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	2.567	8	0.980	0.79	0.754	26.27	34.37	73340	76840	95960	100540	1.50	8.0	18.8	
2	2.593	8	0.985	0.79	0.762	25.38	32.90	70860	73470	91840	95210	1.60	8.0	20.0	
3	1.537	6	0.759	0.44	0.452	14.09	16.74	70620	68740	83900	81670	1.30	8.0	16.3	
4	1.493	6	0.748	0.44	0.439	16.13	19.95	80830	81020	99990	100220	1.30	8.0	16.3	
5	0.664	4	0.498	0.20	0.195	6.70	8.41	73850	75750	92740	95120	1.20	8.0	15.0	
6	0.651	4	0.493	0.20	0.191	6.95	8.66	76660	80280	95550	100050	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

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Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

By Dir MTL, Const. of Mosque at Sector - D, DHA PH-VI - (M/S SCION)

Client Reference: 408/241/E/Lab/631/457

SOM Lab

Ref: 1063(Page-1/1)

Dated: 08-07-2019

Dated: 08-07-2019

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	2.723	8	1.009	0.79	0.800	26.35	33.10	73570	72650	92400	91250	1.10	8.0	13.8	
2	2.711	8	1.007	0.79	0.797	26.50	34.27	73990	73340	95680	94840	1.00	8.0	12.5	
3	1.487	6	0.746	0.44	0.437	18.25	21.73	91460	92090	108940	109680	1.00	8.0	12.5	
4	1.490	6	0.747	0.44	0.438	18.04	21.68	90440	90850	108680	109180	1.10	8.0	13.8	
5	0.676	4	0.503	0.20	0.199	6.29	9.79	69360	69710	107910	108460	1.00	8.0	12.5	
6	0.665	4	0.498	0.20	0.195	6.12	9.04	67450	69180	99710	102260	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