

Sub Divisional Officer
Buildings Sub Division, Essa Khel

Test Performed By:

Dr. /Engr.

S. asad Ali
Gillani

Client Reference: 152-

Dated: 12-06-2019

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref:

1190(Page-1/1)

Dated:

29-07-2019

Gauge Length: 8 inch

Sample Type:

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	1.559	6	0.764	0.44	0.458	13.15	19.37	65910	63320	97080	93270	1.40	8.0	17.5	
2	1.559	6	0.764	0.44	0.458	13.25	19.44	66430	63820	97440	93610	1.30	8.0	16.3	
3	0.669	4	0.501	0.20	0.197	4.84	6.65	53400	54210	73290	74410	1.10	8.0	13.8	
4	0.670	4	0.501	0.20	0.197	4.59	6.49	50590	51360	71610	72700	1.50	8.0	18.8	
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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

Arsalan Ahmad

Project Manager, TECH - ZONE, Architects & Builders, DE-Pac Lahore

Test Performed By:

Dr. /Engr.

M Irfan ul Hassan

Client Reference: T-03/25/1

Dated: 29-07-2019

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1192(Page-1/1)

Dated: 29-07-2019

ASTM-A-615

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	0.657	4	0.496	0.20	0.193	7.59	9.73	83750	86780	107350	111240	1.10	8.0	13.8	
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BEND TEST:

# 4	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

Engr Ebrahim Kamil
Director, EXCEL SERVICES & ENGINEERING (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: ESE-131-05

Dated: 29-07-2019

Test: Tension Test

Guage Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

ASTM-A-615

Deformed Bar

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1/1)

29-07-2019

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	1.432	6	0.732	0.44	0.421	14.48	19.80	72560	75830	99230	103710	1.00	8.0	12.5	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Khalid Latif Sheikh
PMCS Manager, MAK Associates, Lahore

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

Client Reference: MAK/PAF/SV-GL/TB-021

SOM Lab 1195(Page-
Ref: 1/1)

Dated: 27-07-2019

Dated: 29-07-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage 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	1.412	6	0.727	0.44	0.415	12.28	18.15	61570	65280	91000	96480	1.00	8.0	12.5	
2	1.434	6	0.732	0.44	0.421	12.77	19.09	64020	66910	95700	100020	1.00	8.0	12.5	
3	0.648	4	0.492	0.20	0.190	5.78	9.10	63740	67090	100380	105670	1.10	8.0	13.8	
4	0.676	4	0.503	0.20	0.199	4.72	6.99	52050	52310	77110	77500	1.20	8.0	15.0	
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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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

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

Client Reference: CONC - 20190729
Dated: 29-07-2019

SOM Lab
Ref: 1194(Page-1/1)
Dated: 29-07-2019

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.680	8	1.002	0.79	0.788	29.84	36.92	83300	83510	103080	103340	1.30	8.0	16.3	
2	2.685	8	1.002	0.79	0.789	28.56	36.06	79740	79840	100660	100780	1.50	8.0	18.8	
3	2.690	8	1.004	0.79	0.791	27.19	34.10	75900	75800	95190	95070	1.30	8.0	16.3	
4	0.674	4	0.502	0.20	0.198	7.44	9.35	82060	82890	103080	104120	1.00	8.0	12.5	
5	0.660	4	0.497	0.20	0.194	6.95	9.04	76660	79040	99710	102790	1.00	8.0	12.5	
6	0.657	4	0.496	0.20	0.193	6.98	9.04	77000	79790	99710	103320	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight 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

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

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: MLL-03

Dated: 29-07-2019

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref:

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Dated:

29-07-2019

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.523	6	0.755	0.44	0.448	15.09	18.78	75620	74270	94120	92440	1.40	8.0	17.5	
2	1.505	6	0.750	0.44	0.442	15.77	20.08	79050	78690	100660	100200	1.40	8.0	17.5	
3	0.609	4	0.477	0.20	0.179	5.83	7.44	64300	71840	82060	91690	1.40	8.0	17.5	
4	0.602	4	0.475	0.20	0.177	5.83	7.49	64300	72660	82620	93360	1.10	8.0	13.8	
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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