

Zikria Construction Co.
Lahore

Test Performed By: Dr. /Engr.

S Asad Ali
Gillani

Client Reference: nil

SOM Lab

Ref: 1313 (Page-1/1)

Dated: 30-08-2019

Dated: 30-08-2019

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	2.631	8	0.992	0.79	0.773	26.98	35.27	75330	76990	98470	100630	1.40	8.0	17.5	
2	2.622	8	0.991	0.79	0.771	26.32	34.68	73480	75290	96820	99200	1.40	8.0	17.5	
3	1.521	6	0.754	0.44	0.447	12.74	17.07	63870	62870	85590	84250	1.50	8.0	18.8	
4	1.529	6	0.756	0.44	0.449	13.25	17.28	66430	65090	86610	84870	1.60	8.0	20.0	
5	0.649	4	0.493	0.20	0.191	7.80	9.28	85990	90050	102290	107110	1.10	8.0	13.8	
6	0.647	4	0.492	0.20	0.190	7.82	9.33	86220	90760	102860	108270	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

Khalid Bashir

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Ittefaq Building Solutions (Pvt) Ltd. Lahore (Project: Barret Hodgson University, Toba Tek Singh)

Client Reference: IBS/BHU/11

SOM Lab

Ref: 1314(Page-1/1)

Dated: 29-08-2019

Dated: 30-08-2019

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	0.652	4	0.494	0.20	0.192	7.00	9.23	77230	80440	101730	105970	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Bilal Steel Mills (Pvt) Ltd.

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client: EPS Solutions Pakistan (Pvt) Ltd. Lahore

Client Reference: Nil

SOM Lab

Ref: 1315(Page-1/1)

Dated: 30-08-2019

Dated: 30-08-2019

Test: Tension Test & Bend 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	1.566	6	0.765	0.44	0.460	14.93	18.91	74860	71600	94780	90660	1.50	8.0	18.8	
2	1.557	6	0.764	0.44	0.458	15.14	18.93	75880	72900	94880	91160	1.50	8.0	18.8	
3	0.687	4	0.507	0.20	0.202	6.63	8.63	73070	72340	95210	94270	1.30	8.0	16.3	
4	0.665	4	0.498	0.20	0.195	6.60	8.51	72730	74600	93860	96270	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

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

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

Client Reference: MLL-06

SOM Lab
Ref: 1316(Page-1/1)

Dated: 30-08-2019

Dated: 30-08-2019

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	1.666	6	0.790	0.44	0.490	10.81	16.62	54160	48640	83290	74790	1.30	8.0	16.3	
2	1.643	6	0.784	0.44	0.483	11.06	17.20	55440	50510	86200	78530	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

Nauman KhurramS.
Asad Ali Gillani

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

Client Reference: 408/241/E/Lab/680/3451

SOM Lab

Ref: 1317(Page-1/1)

Dated: 30-08-2019

Dated: 30-08-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge 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	0.661	4	0.497	0.20	0.194	5.78	7.97	63740	65710	87910	90620	1.50	8.0	18.8	
2	0.658	4	0.496	0.20	0.193	5.93	8.26	65420	67800	91050	94350	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Qaiser
Site Engineer, Emporia Mall, Faisalabad

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Ni
Dated: 30-08-2019

SOM Lab
Ref: 1318(Page-1/1)
Dated: 30-08-2019

Test: Tension Test & Bend Test

Test Specification: 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	2.631	8	0.992	0.79	0.773	20.88	33.15	58280	59570	92550	94580	1.50	8.0	18.8	
2	2.639	8	0.994	0.79	0.776	20.87	32.93	58260	59310	91920	93580	1.50	8.0	18.8	
3	1.474	6	0.743	0.44	0.433	15.97	19.72	80070	81360	98870	100470	1.30	8.0	16.3	
4	1.522	6	0.754	0.44	0.447	14.14	18.78	70870	69760	94120	92640	1.30	8.0	16.3	
5	1.484	6	0.745	0.44	0.436	17.43	21.00	87370	88180	105260	106220	1.20	8.0	15.0	
6	1.476	6	0.743	0.44	0.434	17.64	21.27	88400	89620	106640	108110	1.10	8.0	13.8	
7	0.667	4	0.500	0.20	0.196	5.52	9.70	60930	62170	107010	109200	1.20	8.0	15.0	
8	0.659	4	0.497	0.20	0.194	6.17	9.65	68010	70110	106450	109740	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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	
# 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

Malil Muhammad Adil
Director, Malik Steel Sales Depot, Lahore

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

Client Reference: nil
Dated: 30-08-2019

SOM Lab
Ref: 1320(Page-1/1)
Dated: 30-08-2019

Test: Tension Test & Bend Test **Test Specification:**

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	1.472	6	0.743	0.44	0.433	16.16	19.98	80990	82300	100150	101770	1.40	8.0	17.5	
2	1.541	6	0.759	0.44	0.453	16.21	19.57	81240	78910	98100	95290	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Muhammad Saleem
 GM, Professional Construction Services (Pvt) Ltd. Lahore

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

Client Reference: PCS/19/Eng-56-B

SOM Lab 1321(Page-
 Ref: 1/3

Dated: 30-08-2019

Dated: 30-08-2019

Test: Tension 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	0.674	4	0.502	0.20	0.198	5.37	7.49	59240	59840	82620	83460	1.60	8.0	20.0	
2	0.671	4	0.501	0.20	0.197	5.37	7.46	59240	60140	82290	83540	1.70	8.0	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

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

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

Muhammad Saleem
 GM, Professional Construction Services (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: PCS/19/Eng-56-C

Dated: 30-08-2019

Test: Tension Test

Guage Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

ASTM-A-615

Deformed Bar

1321(Page-

2/3

30-08-2019

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	1.466	6	0.741	0.44	0.431	14.12	18.57	70770	72250	93100	95040	1.20	8.0	15.0	
2	1.450	6	0.736	0.44	0.426	14.19	18.65	71130	73460	93510	96580	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

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

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

Muhammad Saleem
 GM, Professional Construction Services (Pvt) Ltd. Lahore

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

Client Reference: PCS/19/Eng-56-D

SOM Lab 1321(Page-
 Ref: 3/3

Dated: 30-08-2019

Dated: 30-08-2019

Test: Tension 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	2.581	8	0.982	0.79	0.758	25.66	33.61	71630	74650	93830	97790	1.50	8.0	18.8	
2	2.566	8	0.980	0.79	0.754	25.66	33.25	71630	75050	92830	97260	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

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

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

Qaiser
Site Engineer, Emporia Mall, Faisalabad

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Ni

SOM Lab

Ref: 1318(Page-1/1)

Dated: 30-08-2019

Dated: 30-08-2019

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	2.631	8	0.992	0.79	0.773	20.88	33.15	58280	59570	92550	94580	1.50	8.0	18.8	
2	2.639	8	0.994	0.79	0.776	20.87	32.93	58260	59310	91920	93580	1.50	8.0	18.8	
3	1.474	6	0.743	0.44	0.433	15.97	19.72	80070	81360	98870	100470	1.30	8.0	16.3	
4	1.522	6	0.754	0.44	0.447	14.14	18.78	70870	69760	94120	92640	1.30	8.0	16.3	
5	1.484	6	0.745	0.44	0.436	17.43	21.00	87370	88180	105260	106220	1.20	8.0	15.0	
6	1.476	6	0.743	0.44	0.434	17.64	21.27	88400	89620	106640	108110	1.10	8.0	13.8	
7	0.667	4	0.500	0.20	0.196	5.52	9.70	60930	62170	107010	109200	1.20	8.0	15.0	
8	0.659	4	0.497	0.20	0.194	6.17	9.65	68010	70110	106450	109740	1.10	8.0	13.8	
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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	
# 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