

Ch Abdul Ghafoor

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Resident Engineer, PEPAC, W. W. C. Adjacent to Sundar Ind. Estate, District Kasur (Package-Q)

SOM Lab

Client Reference: RE/PEPAC/WWC-Q/16

Ref:

1200(Page-1/1)

Dated: 23-07-2019

Dated:

30-07-2019

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	1.473	6	0.743	0.44	0.433	15.57	19.98	78020	79290	100150	101770	1.20	8.0	15.0	
2	1.476	6	0.743	0.44	0.434	14.63	18.40	73320	74340	92230	93500	1.10	8.0	13.8	
3	1.041	5	0.624	0.31	0.306	10.19	12.74	72520	73470	90650	91840	1.30	8.0	16.3	
4	1.035	5	0.622	0.31	0.304	9.65	12.41	68680	70040	88260	90000	1.20	8.0	15.0	
5	0.685	4	0.506	0.20	0.201	6.09	7.90	67110	66780	87120	86690	1.10	8.0	13.8	
6	0.689	4	0.507	0.20	0.202	5.93	7.77	65420	64780	85660	84810	1.30	8.0	16.3	
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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

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

By Dir MTL, Infra Dev Works IVY Green, Sector-Z, DHA Ph-VIII - (M/S MCC Ruba)

Client Reference: 408/241/E/Lab/640/372

SOM Lab

Ref: 1201(Page-1/1)

Dated: 23-07-2019

Dated: 30-07-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (City 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	0.657	4	0.496	0.20	0.193	5.61	8.61	61830	64070	94990	98430	1.30	8.0	16.3	
2	0.643	4	0.491	0.20	0.189	5.91	8.77	65200	68990	96670	102300	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-05

SOM Lab

Ref: 1202(Page-1/1)

Dated: 30-07-2019

Dated: 30-07-2019

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	2.681	8	1.002	0.79	0.788	27.22	35.73	75980	76180	99750	100000	1.40	8.0	17.5	
2	2.703	8	1.005	0.79	0.794	24.67	33.54	68870	68520	93630	93160	1.60	8.0	20.0	
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BEND TEST:

# 8	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

Secretery Jamia

Jamia Tul Muntazar (Trust), H-Block, Model Town, Lahore (Pakistan)

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil

Dated: 30-07-2019

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref:

1204(Page-1/1)

Dated:

30-07-2019

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	2.727	8	1.010	0.79	0.801	29.46	36.56	82250	81120	102080	100680	1.00	8.0	12.5	
2	2.644	8	0.995	0.79	0.777	28.13	34.98	78550	79860	97670	99300	1.00	8.0	12.5	
3	1.478	6	0.743	0.44	0.434	14.98	19.64	75110	76150	98460	99820	1.00	8.0	12.5	
4	1.522	6	0.754	0.44	0.447	14.48	19.03	72560	71420	95400	93900	1.00	8.0	12.5	
5	0.682	4	0.505	0.20	0.200	4.64	6.75	51150	51150	74420	74420	1.50	8.0	18.8	
6	0.696	4	0.511	0.20	0.205	6.68	10.09	73630	71830	111290	108570	1.30	8.0	16.3	
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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

Sub Divisional Officer
GC University, Faisalabad

Test Performed By: Dr. /Engr.

S. asad Ali
Gillani

Client Reference: GCUF/EC/1133

SOM Lab

Ref: 1205 (Page-1/1)

Dated: 22-07-2019

Dated: 30-07-2019

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	1.478	6	0.743	0.44	0.434	15.86	21.61	79510	80600	108320	109820	1.00	8.0	12.5	
2	1.472	6	0.743	0.44	0.433	14.78	20.82	74090	75290	104340	106020	1.20	8.0	15.0	
3	1.098	5	0.641	0.31	0.323	11.54	14.50	82100	78790	103130	98980	1.00	8.0	12.5	
4	1.057	5	0.629	0.31	0.311	11.54	14.80	82100	81830	105300	104960	1.10	8.0	13.8	
5	0.674	4	0.502	0.20	0.198	7.95	9.60	87680	88570	105890	106960	1.00	8.0	12.5	
6	0.667	4	0.500	0.20	0.196	8.10	9.58	89370	91190	105670	107820	0.90	8.0	11.3	
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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