

Muhammad Asif
Sr. QS, (Manzoor Ahmad Khan, Lahore)

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: TCC/UET/316

Dated: 21-10-2021

SOM Lab

Ref: 5177(Page-1/1)

Dated: 21-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

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	1.470	6	0.742	0.44	0.432	10.50	15.45	52630	53610	77460	78900	1.00	8.0	12.5	
2	1.474	6	0.743	0.44	0.433	11.03	16.11	55290	56180	80730	82040	1.40	8.0	17.5	
3	0.974	5	0.603	0.31	0.286	7.44	11.54	52940	57390	82100	88990	1.10	8.0	13.8	
4	1.000	5	0.612	0.31	0.294	6.68	9.68	47500	50090	68900	72650	1.00	8.0	12.5	
5	0.654	4	0.494	0.20	0.192	5.15	8.58	56770	59130	94650	98590	1.00	8.0	12.5	
6	0.661	4	0.497	0.20	0.194	4.71	7.77	51940	53540	85660	88310	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Hafiz Ozair Ahmad

Deputy Director (QCD), WASA, LDA, Lahore (M/s. New Shalimar RCC Pipes Industry)

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: QCD/1450-51

Dated: 15-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5178(Page-1/1)

Dated: 21-10-2021

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	0.685	4	0.506	0.20	0.201	4.71	6.75	51940	51680	74420	74050	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Talha Javed
 Planning & Coordination Engineer, (Construct)

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

Client Reference: Nil

SOM Lab

Ref: 5179(Page-1/1)

Dated: 21-10-2021

Dated: 21-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Batala 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	2.660	8	0.998	0.79	0.782	23.26	32.72	64940	65610	91350	92290	1.40	8.0	17.5	
2	2.668	8	0.999	0.79	0.784	23.16	32.69	64660	65150	91270	91960	1.60	8.0	20.0	
3	1.498	6	0.748	0.44	0.440	12.74	18.76	63870	63870	94020	94020	1.10	8.0	13.8	
4	1.503	6	0.750	0.44	0.442	12.66	18.62	63460	63180	93350	92930	1.10	8.0	13.8	
5	0.666	4	0.500	0.20	0.196	6.65	8.89	73290	74790	98020	100020	1.20	8.0	15.0	
6	0.668	4	0.500	0.20	0.196	6.83	8.92	75320	76850	98360	100370	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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
Buildings Sub Division No.9, Lahore

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

Client Reference: 647/9th

SOM Lab

Ref: 5181(Page-1/1)

Dated: 18-10-2021

Dated: 21-10-2021

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	2.621	8	0.990	0.79	0.770	23.52	34.81	65650	67360	97190	99710	1.30	8.0	16.3	
2	2.616	8	0.990	0.79	0.769	23.45	34.78	65460	67240	97100	99750	1.30	8.0	16.3	
3	1.430	6	0.731	0.44	0.420	14.09	19.08	70620	73980	95650	100210	1.20	8.0	15.0	
4	1.441	6	0.734	0.44	0.423	14.22	18.96	71280	74140	95040	98860	1.20	8.0	15.0	
5	0.684	4	0.506	0.20	0.201	6.47	9.35	71380	71030	103080	102570	1.20	8.0	15.0	
6	0.687	4	0.507	0.20	0.202	6.52	9.40	71940	71230	103640	102620	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Engr. M. Abbas

Resident Engineer, City Survey & Engineering Consultants, Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: GVA/RE/001/21

Dated: 21-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5182(Page-1/1)

Dated: 21-10-2021

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	0.647	4	0.492	0.20	0.190	6.57	8.46	72510	76320	93300	98210	1.30	8.0	16.3	
2	0.659	4	0.497	0.20	0.194	6.80	8.53	74980	77300	94090	97000	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Proprieter
Khokhar & Co., Faisalabad (Fuzing Shed Hafizabad)

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: LCIHaF177

Dated: 14-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5183(Page-1/1)

Dated: 21-10-2021

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	2.668	8	0.999	0.79	0.784	24.57	34.51	68590	69110	96330	97070	1.30	8.0	16.3	
2	1.542	6	0.759	0.44	0.453	14.29	20.29	71640	69580	101680	98760	1.20	8.0	15.0	
3	1.059	5	0.629	0.31	0.311	9.45	13.40	67230	67010	95370	95060	1.20	8.0	15.0	
4	0.672	4	0.501	0.20	0.197	7.34	9.19	80940	82170	101390	102940	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Sub Divisional Officer
Buildings Sub Division No.6, Lahore

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

Client Reference: 390-91/Sd-6th

SOM Lab

Ref: 5188(Page-1/1)

Dated: 21-10-2021

Dated: 22-10-2021

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	2.274	8	0.922	0.79	0.668	15.60	25.69	43540	51500	71720	84810	1.40	8.0	17.5	
2	1.323	6	0.704	0.44	0.389	9.23	14.58	46240	52310	73070	82650	1.50	8.0	18.8	
3	0.586	4	0.468	0.20	0.172	4.76	7.36	52500	61040	81160	94370	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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