

Zeb Shahid

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

MP, IDAP, Lahore. (Establishment of 200 bedded Mother & Child Hospital, Layyah)

Client Reference: PD/MCH/Layyah/IDAP/2021/22

SOM Lab 5740 (Page-

Ref: 1/4)

Dated: 18-01-2022

Dated: 25-01-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	2.691	8	1.004	0.79	0.791	25.86	37.05	72200	72110	103450	103310	1.30	8.0	16.3	
2	2.646	8	0.995	0.79	0.778	25.69	36.26	71720	72820	101230	102790	1.20	8.0	15.0	
3	2.708	8	1.007	0.79	0.796	25.61	35.75	71490	70950	99800	99050	1.30	8.0	16.3	
4	2.693	8	1.004	0.79	0.791	26.50	36.39	73990	73900	101600	101470	1.20	8.0	15.0	
5	2.655	8	0.997	0.79	0.780	27.42	38.60	76550	77540	107770	109150	1.20	8.0	15.0	
6	2.679	8	1.001	0.79	0.787	27.42	37.36	76550	76850	104300	104700	1.10	8.0	13.8	
7	2.693	8	1.004	0.79	0.791	25.69	35.88	71720	71630	100170	100050	1.20	8.0	15.0	
8	2.595	8	0.986	0.79	0.763	24.97	35.44	69720	72190	98950	102450	1.30	8.0	16.3	
9	2.580	8	0.982	0.79	0.758	25.28	35.70	70580	73560	99660	103870	1.20	8.0	15.0	
10	2.601	8	0.986	0.79	0.764	25.18	36.21	70290	72690	101080	104520	1.30	8.0	16.3	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 8	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Fourteen Samples Received and Tested

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

Zeb Shahid

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

MP, IDAP, Lahore. (Establishment of 200 bedded Mother & Child Hospital, Layyah)

Client Reference: PD/MCH/Layyah/IDAP/2021/22

SOM Lab

5740 (Page-

Ref:

2/4)

Dated: 18-01-2022

Dated:

25-01-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	2.706	8	1.006	0.79	0.795	25.08	36.87	70010	69570	102930	102290	1.20	8.0	15.0	
2	2.570	8	0.980	0.79	0.755	23.11	33.28	64520	67510	92920	97220	1.50	8.0	18.8	
3	2.706	8	1.006	0.79	0.795	24.36	36.51	68020	67590	101940	101300	1.40	8.0	17.5	
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BEND TEST:

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

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

Zeb Shahid

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

MP, IDAP, Lahore. (Establishment of 200 bedded Mother & Child Hospital, Layyah)

Client Reference: PD/MCH/Layyah/IDAP/2021/22

SOM Lab

5740 (Page-

Ref:

3/4)

Dated: 18-01-2022

Dated:

25-01-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	1.501	6	0.749	0.44	0.441	14.60	20.05	73170	73000	100500	100280	1.30	8.0	16.3	
2	1.516	6	0.754	0.44	0.446	14.78	19.67	74090	73090	98610	97290	1.20	8.0	15.0	
3	1.542	6	0.759	0.44	0.453	14.88	19.78	74600	72460	99130	96280	1.20	8.0	15.0	
4	1.534	6	0.758	0.44	0.451	14.48	19.49	72560	70790	97690	95310	1.30	8.0	16.3	
5	1.514	6	0.753	0.44	0.445	14.17	19.78	71020	70230	99130	98010	1.40	8.0	17.5	
6	1.535	6	0.758	0.44	0.451	14.27	19.88	71540	69790	99640	97210	1.30	8.0	16.3	
7	1.513	6	0.753	0.44	0.445	14.53	20.10	72810	71990	100760	99630	1.10	8.0	13.8	
8	1.531	6	0.757	0.44	0.450	14.68	20.29	73580	71940	101680	99420	1.40	8.0	17.5	
9	1.517	6	0.754	0.44	0.446	14.65	19.57	73430	72440	98100	96780	1.10	8.0	13.8	
10	1.544	6	0.760	0.44	0.454	14.68	19.72	73580	71310	98870	95820	1.50	8.0	18.8	

BEND TEST:

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

Zeb Shahid

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

MP, IDAP, Lahore. (Establishment of 200 bedded Mother & Child Hospital, Layyah)

Client Reference: PD/MCH/Layyah/IDAP/2021/22

SOM Lab

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Ref:

4/4)

Dated: 18-01-2022

Dated:

25-01-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	6.49	8.18	71610	73820	90150	92940	1.30	8.0	16.3	
2	0.656	4	0.496	0.20	0.193	6.29	8.07	69360	71870	89030	92260	1.20	8.0	15.0	
3	0.656	4	0.496	0.20	0.193	6.44	8.28	71040	73620	91280	94590	1.20	8.0	15.0	
4	0.657	4	0.496	0.20	0.193	6.34	8.12	69920	72460	89590	92840	1.20	8.0	15.0	
5	0.658	4	0.496	0.20	0.193	6.29	8.15	69360	71870	89930	93190	1.10	8.0	13.8	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Seven 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

Sub Divisional officer,

Test Performed By:

Dr. /Engr. Asad Ali Gillani

PHE:SD-I Mianwali.(Provision Of Sewerage Drainage Scheme For Lorry Adda Mianwali City)

Client Reference: 22/MI-I

SOM Lab 5741 (Page-

Ref: 1/1)

Dated: 14-01-2022

Dated: 25-01-2022

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	1.497	6	0.748	0.44	0.440	13.07	19.08	65510	65510	95650	95650	1.50	8.0	18.8	
2	0.661	4	0.497	0.20	0.194	6.75	8.97	74420	76720	98920	101980	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Hafiz Ozair Ahmad

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Dy.Dir(QCD) WASA,LDA,Lhr.(Const. Of Pedestrian Bridge On Sattu Katla At Bilal Masjid In Drainage)

Client Reference: QCD/193

SOM Lab

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Ref:

1/3)

Dated: 15-01-2022

Dated:

25-01-2022

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	0.658	4	0.496	0.20	0.193	6.49	10.01	71610	74200	110390	114390	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

Hafiz Ozair Ahmad

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Dy.Dir(QCD)WASA,LDA,Lhr.(For Provision Of PCC/Tuff Pavment Drainage And Clean Drinking Water)

Client Reference: QCD/192

SOM Lab

5743 (Page-

Ref:

2/3)

Dated: 15-01-2022

Dated:

25-01-2022

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	1.473	6	0.743	0.44	0.433	14.02	21.48	70260	71390	107660	109400	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

# 6	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

Hafiz Ozair Ahmad

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Dy.Dir(QCD) WASA,LDA,Lhr.(Const. Of Pedestrian Bridge On Sattu Katla Drain Opp: Truth W.Sch)

Client Reference: QCD/78

SOM Lab

5743 (Page-

Ref:

3/3)

Dated: 16-01-2022

Dated:

25-01-2022

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	1.493	6	0.748	0.44	0.439	13.83	22.55	69340	69500	113020	113280	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

# 6	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

Test Performed by: .S. Asad Ali Gillani

Zain Impex & Trading Agencies,
Lahore.

Client Reference No.: Nil

Dated: 25-01-2022

SOM Lab Ref: CED/SOM/5742 (Page 1/1)

Dated: 25-01-2022

Test Type: Load Test

Sample Type: Shattering Clamp

Load Test Results

Sample No.	Sample Type	Ultimate Breaking Load (kN)	Ultimate Breaking Load (Kg)	Remarks
1	Universal Clamp (Tension)	18.7	1906	Clamp Breaks at This Load
2		19.7	2008	
3		10.5	1070	
4	Pin Clamp (Bend or Flexure)	33.0	3363	Extension Breaks
5		44.0	4485	
6		34.0	3465	
7	Fix Clamp (Tension)	27.2	2772	Clamp Breaks at This Load
8		29.7	3027	
9		19.3	1967	

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

