

Muhammad Asif Arshad
Sub Divisional Officer, Highway Sub Division, Gojra

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

Client Reference: 11

SOM Lab

Ref: 5140(Page-1/1)

Dated: 05-10-2021

Dated: 13-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	2.600	8	0.986	0.79	0.764	25.86	34.83	72200	74660	97240	100550	1.40	8.0	17.5	
2	1.491	6	0.747	0.44	0.438	12.81	20.20	64230	64520	101270	101730	1.10	8.0	13.8	
3	0.666	4	0.500	0.20	0.196	6.12	9.38	67450	68820	103420	105530	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Project Managers
Allied Bank Limited, Kasoori Road Gulberg III, Lahore

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

Client Reference: Nil

SOM Lab

Ref: 5141(Page-1/1)

Dated: 13-10-2021

Dated: 13-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mughal 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	1.516	6	0.754	0.44	0.446	15.77	19.52	79050	77980	97850	96530	1.40	8.0	17.5	
2	1.473	6	0.743	0.44	0.433	15.57	19.18	78020	79290	96160	97720	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Witnessed By: M. Anas (Civil Officer, Allied Bank Ltd.) & Muhammad Naeem (Site Engineer)

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 Sadiq Associates
DHA Lahore Cantt.

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

Client Reference: Nil

SOM Lab

Ref: 5142(Page-1/1)

Dated: 08-10-2021

Dated: 13-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	2.691	8	1.004	0.79	0.791	26.96	36.29	75270	75180	101310	101180	1.30	8.0	16.3	
2	1.495	6	0.748	0.44	0.439	16.13	19.98	80830	81020	100150	100380	1.10	8.0	13.8	
3	0.660	4	0.497	0.20	0.194	6.80	8.87	74980	77300	97800	100820	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Taimur Hassan
Resident Engineer, Fort Munro Cadet College, D. G. Khan

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: AHQ/74260/2/52/Trg/FMCC

Dated: 05-10-2021

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref: 5144 (Page-1/1)

Dated: 13-10-2021

ASTM-A-615

Deformed Bar(FF
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	2.602	8	0.987	0.79	0.765	23.09	31.45	64460	66570	87790	90660	1.20	8.0	15.0	
2	2.607	8	0.988	0.79	0.766	23.39	31.72	65310	67360	88560	91340	1.40	8.0	17.5	
3	1.479	6	0.744	0.44	0.435	13.78	20.05	69080	69880	100500	101660	1.10	8.0	13.8	
4	1.473	6	0.743	0.44	0.433	13.76	20.10	68980	70100	100760	102390	1.10	8.0	13.8	
5	0.666	4	0.500	0.20	0.196	6.47	8.92	71380	72840	98360	100370	1.10	8.0	13.8	
6	0.666	4	0.500	0.20	0.196	6.37	8.87	70260	71690	97800	99790	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8(Sr.1&2)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6(Sr.3&4)	Sample bend through 180 degrees Satisfactorily without any crack	
# 4(Sr.5&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

Sameer Ashraf
Procurements Head, Albario Engineering Private Limited, Lahore

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: AEPL/TR/UET/0215

SOM Lab

Ref: 5152(Page-1/1)

Dated: 07-10-2021

Dated: 14-10-2021

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	2.559	8	0.979	0.79	0.752	21.76	31.65	60760	63830	88360	92830	1.00	8.0	12.5	
2	2.561	8	0.979	0.79	0.753	21.43	31.50	59820	62760	87940	92260	1.20	8.0	15.0	
3	1.487	6	0.746	0.44	0.437	13.61	18.93	68210	68680	94880	95540	1.30	8.0	16.3	
4	1.494	6	0.748	0.44	0.439	13.76	18.93	68980	69140	94880	95100	1.20	8.0	15.0	
5	1.016	5	0.617	0.31	0.299	10.52	13.53	74840	77600	96240	99780	1.10	8.0	13.8	
6	1.012	5	0.615	0.31	0.297	10.47	13.78	74480	77740	98050	102340	1.20	8.0	15.0	
7	0.648	4	0.492	0.20	0.190	7.21	9.02	79470	83660	99480	104720	1.10	8.0	13.8	
8	0.648	4	0.492	0.20	0.190	7.29	9.09	80370	84600	100270	105550	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	
# 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

