

Engr. Muhammad Abdullah
Assistant Engineer, B & W Department, U. E. T. Lahore

Test Performed By: Dr. /Engr. Bilal A. Khokhar

Client Reference: B & W/AEN/1302

SOM Lab

Ref: 2271 (Page-1/1)

Dated: 03-02-2020

Dated: 20-02-2020

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	1.474	6	0.743	0.44	0.433	14.12	19.80	70770	71910	99230	100830	1.50	8.0	18.8	
2	1.478	6	0.743	0.44	0.434	14.24	19.57	71380	72370	98100	99460	1.40	8.0	17.5	
3	0.997	5	0.611	0.31	0.293	8.44	12.20	60050	63530	86810	91850	1.50	8.0	18.8	
4	1.014	5	0.616	0.31	0.298	9.76	13.66	69410	72200	97180	101090	1.30	8.0	16.3	
5	0.653	4	0.494	0.20	0.192	6.37	8.36	70260	73190	92180	96020	1.50	8.0	18.8	
6	0.656	4	0.496	0.20	0.193	6.54	8.58	72170	74790	94650	98080	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Waqas Ali
Variant, 25-t-Gulberg- 2, Lahore

Test Performed By: Dr. /Engr. Bilal A. Khokhor

Client Reference: VA/23/155
Dated: 19-02-2020
Test: Tension & Bend Test
Guage Length: 8 inch

SOM Lab 2273(Page-1/1)
Ref: 1/1
Dated: 20-02-2020
ASTM-A-615
Deformed Bar

Test Specification: ASTM-A-615
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	2.637	8	0.993	0.79	0.775	25.64	36.82	71570	72960	102790	104780	1.40	8.0	17.5	
2	1.480	6	0.744	0.44	0.435	16.48	20.05	82620	83570	100500	101660	1.20	8.0	15.0	
3	0.661	4	0.497	0.20	0.194	5.99	9.48	66100	68140	104540	107770	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

Sub Divisional Officer
Building s Sub Division, Shorkot

Test Performed By: Dr. /Engr. Bilal Khokhar

Client Reference: 39-
Dated: 01-02-2020
Test: Tension Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: Deformed Bar

SOM Lab
Ref: 2275(Page-1/1)
Dated: 20-02-2020

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	5.78	9.28	63740	66050	102290	106000	1.30	8.0	16.3	
2	0.659	4	0.497	0.20	0.194	5.86	9.23	64640	66640	101730	104880	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Amjad Ali
Construction Manager, Green Studio, DHA, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab 2276(Page-

Ref: 1/1)

Dated: 19-02-2020

Dated: 20-02-2020

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	2.645	8	0.995	0.79	0.777	22.68	36.97	63320	64380	103220	104940	1.20	8.0	15.0	
2	2.674	8	1.000	0.79	0.786	22.80	37.13	63660	63990	103640	104170	1.20	8.0	15.0	
3	1.516	6	0.754	0.44	0.446	12.59	20.39	63100	62260	102190	100820	1.30	8.0	16.3	
4	1.526	6	0.755	0.44	0.448	12.92	20.51	64740	63580	102800	100970	1.20	8.0	15.0	
5	0.660	4	0.497	0.20	0.194	6.47	9.86	71380	73590	108700	112060	1.10	8.0	13.8	
6	0.639	4	0.489	0.20	0.188	6.29	9.65	69360	73790	106450	113250	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

Zaheer-Ud-Din Baber
Sub Divisional Officer, Buildings Sub Division, No 4, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 888/GH

SOM Lab

Ref: 2277 (Page-1/1)

Dated: 13-02-2020

Dated: 20-02-2020

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	1.468	6	0.741	0.44	0.431	12.51	19.93	62700	64010	99890	101980	1.20	8.0	15.0	
2	1.459	6	0.739	0.44	0.429	12.64	20.05	63360	64980	100500	103080	1.10	8.0	13.8	
3	0.639	4	0.489	0.20	0.188	6.29	9.68	69360	73790	106790	113610	1.10	8.0	13.8	
4	0.641	4	0.489	0.20	0.188	6.27	9.76	69130	73550	107580	114440	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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