

Executive Engineer (B & W)
UVAS, Lahore

Test Performed By:

Dr. /Engr.

M. Irfan Ul Hassan

Client Reference: E.E/552

Dated: 26-08-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

2885 (Page-1/1)

Dated:

27-08-2020

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	2.722	8	1.009	0.79	0.800	28.54	36.39	79680	78690	101600	100330	1.10	8.0	13.8	
2	2.701	8	1.005	0.79	0.794	28.54	36.77	79680	79280	102650	102130	1.20	8.0	15.0	
3	1.484	6	0.745	0.44	0.436	14.17	18.98	71020	71680	95140	96010	1.10	8.0	13.8	
4	1.478	6	0.743	0.44	0.434	13.76	18.93	68980	69930	94880	96200	1.10	8.0	13.8	
5	1.039	5	0.623	0.31	0.305	11.69	14.17	83180	84550	100810	102460	1.10	8.0	13.8	
6	1.034	5	0.622	0.31	0.304	11.57	14.17	82310	83940	100810	102800	1.00	8.0	12.5	
7	0.681	4	0.505	0.20	0.200	7.16	9.50	78910	78910	104770	104770	1.10	8.0	13.8	
8	0.680	4	0.505	0.20	0.200	7.14	9.48	78690	78690	104540	104540	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Maj Adnan khalid®

Test Performed By:

Dr. /Engr.

Nauman Khurram

Dy Dir MTL, Proposed Commercial Plaza. DRGCC Ph-III, DHA -VI - (M/S Construct)

Client Reference: 408/241/E/Lab/967/5707

SOM Lab

Ref:

2886(Page-1/1)

Dated: 27-08-2020

Dated:

27-08-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran 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	1.475	6	0.743	0.44	0.433	13.00	18.47	65150	66200	92590	94080	1.40	8.0	17.5	
2	1.471	6	0.742	0.44	0.432	12.95	18.30	64890	66090	91720	93420	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Burag I. T.
Rawalpindi

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 2887(Page-1/1)

Dated: 27-08-2020

Dated: 27-08-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Round 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	0.618	4	0.481	0.20	0.182	5.27	7.44	58120	63870	82060	90180	1.30	8.0	16.3	
2	0.621	4	0.481	0.20	0.182	5.17	7.39	56990	62630	81500	89560	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Sub Divisional Officer,
Building Sub Division, Assembly, Lahore

Test Performed By: Dr. /Engr. M. Irfan UI Hassan

Client Reference: 2737-

Dated: 22-08-2020

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2888 (Page-1/1)

Dated: 27-08-2020

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	2.684	8	1.002	0.79	0.789	26.50	36.70	73990	74090	102450	102580	1.20	8.0	15.0	
2	2.691	8	1.004	0.79	0.791	26.25	36.29	73280	73190	101310	101180	1.20	8.0	15.0	
3	1.540	6	0.759	0.44	0.453	14.48	19.98	72560	70470	100150	97270	1.30	8.0	16.3	
4	1.540	6	0.759	0.44	0.453	14.53	19.72	72810	70720	98870	96030	1.10	8.0	13.8	
5	0.686	4	0.507	0.20	0.202	6.73	9.17	74190	73460	101170	100170	1.10	8.0	13.8	
6	0.684	4	0.506	0.20	0.201	6.57	9.12	72510	72150	100610	100110	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Sub Divisional Officer
Buildings Sub Division No. 22, Lahore

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

Client Reference: 517/22nd

SOM Lab

Ref: 2889(Page-1/1)

Dated: 27-08-2020

Dated: 27-08-2020

Test: Tension 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	2.595	8	0.986	0.79	0.763	27.93	36.67	77980	80740	102360	105990	1.20	8.0	15.0	
2	2.607	8	0.988	0.79	0.766	26.10	35.93	72850	75140	100320	103460	1.20	8.0	15.0	
3	1.514	6	0.753	0.44	0.445	13.76	18.71	68980	68210	93760	92710	1.10	8.0	13.8	
4	1.512	6	0.752	0.44	0.444	13.35	18.52	66940	66330	92840	92000	1.20	8.0	15.0	
5	0.658	4	0.496	0.20	0.193	6.57	8.66	72510	75140	95550	99010	1.20	8.0	15.0	
6	0.674	4	0.502	0.20	0.198	7.19	9.48	79250	80050	104540	105600	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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