

Hafiz Ozair Ahmad
Deputy Director (QCD), WASA, LDA, Lahore

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

Client Reference: QCD/ 2643-44

SOM Lab 3200(Page-1/1)

Dated: 29-10-2020

Dated: 02-11-2020

Test: Tension Test & Bend 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	1.440	6	0.734	0.44	0.423	15.11	19.54	75720	78770	97950	101890	1.10	8.0	13.8	
2	1.037	5	0.623	0.31	0.305	10.21	13.61	72670	73860	96820	98410	1.00	8.0	12.5	
3	0.635	4	0.488	0.20	0.187	6.44	8.92	71040	75980	98360	105200	0.80	8.0	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Sajid Khawaja
Resident Engineer, EA Consulting (Pvt) Ltd.

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: EA/FGEHA/LHR/030

Dated: 02-11-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3201(Page-1/1)

Dated: 02-11-2020

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	2.630	8	0.992	0.79	0.773	25.76	35.39	71920	73500	98810	100980	1.40	8.0	17.5	
2	2.597	8	0.986	0.79	0.763	26.07	35.73	72770	75340	99750	103280	1.30	8.0	16.3	
3	2.665	8	0.998	0.79	0.783	28.44	38.76	79400	80110	108200	109170	1.30	8.0	16.3	
4	1.501	6	0.749	0.44	0.441	12.71	19.80	63720	63570	99230	99000	1.20	8.0	15.0	
5	1.505	6	0.750	0.44	0.442	12.35	19.01	61930	61650	95290	94860	1.20	8.0	15.0	
6	1.491	6	0.747	0.44	0.438	12.30	19.67	61670	61960	98610	99060	1.40	8.0	17.5	
7	0.677	4	0.503	0.20	0.199	5.73	8.87	63180	63490	97800	98290	1.30	8.0	16.3	
8	0.651	4	0.493	0.20	0.191	5.25	7.85	57890	60620	86560	90630	1.40	8.0	17.5	
9	0.653	4	0.494	0.20	0.192	5.71	8.94	62950	65570	98580	102690	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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	
# 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