

Engr. Asif Raza

Test Performed By:

Dr. /Engr. Nauman Khurram

Resident Engineer, BSC. Civil Engineering, (MPEC) Allied Engineering Consultants (Pvt) Ltd.

Client Reference: AEC/MBC/2021/13

SOM Lab

Ref: 4144(Page-1/1)

Dated: 31-03-2021

Dated: 01-04-2021

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	2.672	8	1.000	0.79	0.785	25.56	33.74	71350	71800	94200	94800	1.30	8.0	16.3	
2	2.680	8	1.002	0.79	0.788	25.40	33.81	70920	71100	94400	94640	1.40	8.0	17.5	
3	1.530	6	0.757	0.44	0.450	12.97	20.08	65000	63550	100660	98420	1.30	8.0	16.3	
4	1.535	6	0.758	0.44	0.451	13.02	20.05	65250	63660	100500	98050	1.30	8.0	16.3	
5	0.666	4	0.500	0.20	0.196	6.29	9.19	69360	70770	101390	103460	1.40	8.0	17.5	
6	0.669	4	0.501	0.20	0.197	6.24	9.23	68800	69840	101730	103280	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine 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
Buildings Sub Division No. 15, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 274
Dated: 22-03-2021
Test: Tension Test
Gauge Length: 8 inch

SOM Lab
Ref: 4145(Page-1/1)
Dated: 01-04-2021
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	2.635	8	0.993	0.79	0.774	21.66	33.51	60480	61730	93540	95480	1.00	8.0	12.5	
2	2.635	8	0.993	0.79	0.774	21.68	33.66	60530	61780	93970	95910	1.20	8.0	15.0	
3	1.480	6	0.744	0.44	0.435	13.86	18.83	69490	70290	94370	95460	1.40	8.0	17.5	
4	1.442	6	0.735	0.44	0.424	13.71	18.47	68730	71320	92590	96080	1.30	8.0	16.3	
5	0.667	4	0.500	0.20	0.196	6.34	8.46	69920	71350	93300	95200	1.10	8.0	13.8	
6	0.668	4	0.500	0.20	0.196	6.34	8.36	69920	71350	92180	94060	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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