

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

Nauman
Khurram

By Dir MTL, Infra Dev Woks Sector -M (Exten), DHA Ph-V, (M/S AAJ Engrs)

Client Reference: 408/241/E/Lab/676/256

SOM Lab

Ref: 1281(Page-1/1)

Dated: 23-08-2019

Dated: 23-08-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (S. J. 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	2.669	8	0.999	0.79	0.784	23.45	31.47	65460	65960	87850	88520	1.30	8.0	16.3	
2	2.663	8	0.998	0.79	0.783	23.47	31.40	65510	66100	87650	88440	1.30	8.0	16.3	
3	1.521	6	0.754	0.44	0.447	13.40	17.64	67190	66140	88400	87010	1.20	8.0	15.0	
4	1.489	6	0.747	0.44	0.438	12.10	16.33	60650	60930	81860	82230	1.50	8.0	18.8	
5	0.678	4	0.503	0.20	0.199	9.12	12.81	100610	101110	141300	142010	0.90	8.0	11.3	
6	0.678	4	0.503	0.20	0.199	9.30	13.12	102520	103030	144670	145400	0.80	8.0	10.0	
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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

Muhammad Aslam Siddiqui

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Manager C. R & M, Allied Bank Ltd. Engineering Cell South -II, Abdali Tower, Abdali Road, Multan

Client Reference: GHQ/S2/ENGG CELL/MTN/MA/2019/582

SOM Lab

Ref: 1284(Page-1/1)

Dated: NIL

Dated: 23-08-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.625	8	0.991	0.79	0.771	25.59	33.66	71430	73190	93970	96290	1.00	8.0	12.5	
2	1.638	6	0.783	0.44	0.481	17.38	21.99	87120	79690	110210	100820	1.40	8.0	17.5	
3	0.648	4	0.492	0.20	0.190	6.88	8.46	75880	79870	93300	98210	0.90	8.0	11.3	
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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