

Furqan - UI-Haq
 General Manager, AYQ Developers Pvt. Ltd. Lahore

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

Client Reference: Nil

Dated: 16-04-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab 4206(Page-

Ref: 1/2)

Dated: 16-04-2021

ASTM-A-615

Deformed Bar (AF 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	1.522	6	0.754	0.44	0.447	13.25	18.12	66430	65390	90850	89430	1.40	8.0	17.5	
2	1.518	6	0.754	0.44	0.446	13.35	18.86	66940	66040	94530	93260	1.10	8.0	13.8	
3	1.510	6	0.752	0.44	0.444	13.86	19.42	69490	68870	97340	96460	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

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

Client Reference: Nil

Dated: 16-04-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab 4206(Page-

Ref: 2/2)

Dated: 16-04-2021

ASTM-A-615

Deformed Bar (AF 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	2.506	8	0.968	0.79	0.736	23.69	32.26	66140	70990	90070	96680	1.20	8.0	15.0	
2	2.493	8	0.966	0.79	0.733	22.02	32.03	61470	66250	89420	96370	1.40	8.0	17.5	
3	2.535	8	0.974	0.79	0.745	22.73	31.82	63460	67300	88850	94210	1.40	8.0	17.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk