

Muhammad Salman
Project Manager, Al- Noor Developers, Lahore

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

Client Reference: nil

SOM Lab 4203(Page-

Ref: 1/1)

Dated: 12-04-2021

Dated: 15-04-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Guage Length: 8 inch

Sample Type: Deformed Bar(FF 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	2.670	8	1.000	0.79	0.785	24.99	33.76	69780	70230	94250	94850	1.50	8.0	18.8	
2	1.483	6	0.745	0.44	0.436	14.60	18.98	73170	73840	95140	96010	1.20	8.0	15.0	
3	0.651	4	0.493	0.20	0.191	6.24	8.61	68800	72040	94990	99460	1.00	8.0	12.5	+
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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

Medical Superintendent
Nishtar Hospital Multan

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

Client Reference: 17711/NH
Dated: 12-04-2021
Test: Tension Test
Guage Length: 8 inch

SOM Lab 4205(Page-1/1)
Ref: 1/1
Dated: 15-04-2021
ASTM-A-615
Deformed Bar

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	1.075	5	0.634	0.31	0.316	11.01	13.40	78330	76840	95370	93560	1.00	8.0	12.5	
2	1.057	5	0.629	0.31	0.311	11.06	13.56	78690	78440	96460	96150	1.00	8.0	12.5	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Faiz Rasul
Wire & Cable, Lahore

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

Client Reference: Nil
Dated: 15-04-2021
Test: Tensile Test
Guage Length: 50 mm

SOM Lab Ref: 4204(Page-1/1)
Dated: 15-04-2021
Test Specification: ASTM A-82
Sample Type: H T Wire

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.088	4	3.74	12.57	11.00	17.80	19.50	1416	1619	1551	1773	5.0	50	10.0	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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