

Maqsood Alam

Test Performed By:

Dr. /Engr.

Nauman Khurram

Senior Manager (Civil) Systems Ltd,Lahore.(Rear Tower systems Limited)(2nd Lot)

Client Reference: SYS-RT-UET-011

SOM Lab

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Ref:

1/1)

Dated: 11-10-2022

Dated:

11-10-2022

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	2.631	8	0.992	0.79	0.773	23.57	33.69	65800	67240	94050	96120	1.50	8.0	18.8	
2	2.613	8	0.989	0.79	0.768	23.98	33.61	66940	68850	93830	96510	1.40	8.0	17.5	
3	1.501	6	0.749	0.44	0.441	13.48	19.49	67550	67400	97690	97470	1.30	8.0	16.3	
4	1.507	6	0.751	0.44	0.443	13.81	19.59	69240	68770	98210	97540	1.40	8.0	17.5	
5	0.676	4	0.503	0.20	0.199	6.42	9.02	70820	71180	99480	99980	1.20	8.0	15.0	
6	0.671	4	0.501	0.20	0.197	6.39	8.97	70480	71560	98920	100430	1.10	8.0	13.8	
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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

Yasir Ahmad
GM-Works FF Steel Lahore.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

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Ref: 1/1)

Dated: 07-10-2022

Dated: 11-10-2022

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	1.448	6	0.736	0.44	0.426	13.58	19.11	68060	70300	95800	98950	1.40	8.0	17.5	
2	1.458	6	0.738	0.44	0.428	13.37	18.73	67040	68920	93860	96490	1.40	8.0	17.5	
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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