

Nasir Mahmood

Test Performed By:

Dr. /Engr.

S. Asad ali Gillani

Resident Engineer, Project Management Department, Al-Imam Enterprises (Pvt) Ltd Lahore

Client Reference: Al-Imam/746/PS-1/DHA/LHE/1140

Dated: 24-08-2020

SOM Lab Ref: CED/SOM/2894(Page-1/1)

Dated: 31-08-2020

Test: Tension and Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Steel Bar(Al Moiz Steel)

Gauge Length: 200 mm

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	3.868	25	25.05	491	493	231.50	342.50	472	470	698	695	42.5	200	21.3	
2	3.787	25	24.78	491	482	222.50	336.70	453	462	686	699	45.0	200	22.5	
3	0.882	12	11.96	113	112	52.70	78.00	466	469	690	694	40.0	200	20.0	
4	0.910	12	12.15	113	116	55.20	82.70	488	477	731	714	40.0	200	20.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
12mm	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

Care Taker Muhafiz Town

Test Performed By: Dr. /Engr. Nauman Khurram

National Police Foundation, Cooperative Housing Society Ltd. Muhafiz Town, Ph-1 & 2, Lahore

Client Reference: MIT/20

SOM Lab

Ref: 2895(Page-1/1)

Dated: 325-08-2020

Dated: 31-08-2020

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	1.483	6	0.745	0.44	0.436	14.29	18.35	71640	72290	91970	92820	1.20	8.0	15.0	
2	1.471	6	0.742	0.44	0.432	14.19	18.17	71130	72440	91050	92740	1.20	8.0	15.0	
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BEND TEST:

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

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

Maj Adnan khalid®

Test Performed By:

Dr. /Engr.

Nauman Khurram

Dy Dir MTL, Const of Mosque Sector-C, DHA Ph-IX - (M/S Zain Saad)

Client Reference: 408/241/E/Lab/736/115

SOM Lab

Ref:

2897(Page-1/1)

Dated: 31-08-2020

Dated:

31-08-2020

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	2.632	8	0.992	0.79	0.773	25.50	35.29	71200	72770	98520	100690	1.20	8.0	15.0	
2	2.604	8	0.987	0.79	0.765	25.38	35.47	70860	73180	99030	102270	1.30	8.0	16.3	
3	1.471	6	0.742	0.44	0.432	15.87	19.90	79560	81030	99740	101590	1.10	8.0	13.8	
4	1.473	6	0.743	0.44	0.433	15.16	19.13	75980	77210	95910	97460	1.00	8.0	12.5	
5	0.669	4	0.501	0.20	0.197	6.44	8.87	71040	72130	97800	99290	0.90	8.0	11.3	
6	0.655	4	0.494	0.20	0.192	6.14	8.46	67670	70490	93300	97190	1.00	8.0	12.5	
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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