

Nasir Mahmood

Test Performed By:

Dr. /Engr.

Nauman Khurram

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

Client Reference: Al-Imam/746/PS-1/DHA/LHE/1030

Dated: 06-01-2020

SOM Lab Ref: CED/SOM/2011(Page-1/1)

Dated: 7-01-2020

Test: Tension and Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Steel Bar(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	2.518	20	20.22	314	321	152.70	223.00	486	476	710	695	27.5	200	13.8	
2	2.522	20	20.22	314	321	152.50	222.70	485	475	709	694	32.5	200	16.3	
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BEND TEST:

20mm	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.

S. Asad Ali
Gillani

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

SOM Lab

Client Reference: 408/241/E/Lab/821/014

Ref: 2014(Page-1/1)

Dated: 07-01-2020

Dated: 07-01-2020

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	2.642	8	0.994	0.79	0.776	26.32	36.26	73480	74810	101230	103050	1.20	8.0	15.0	
2	2.644	8	0.995	0.79	0.777	26.93	36.92	75190	76450	103080	104800	1.30	8.0	16.3	
3	1.476	6	0.743	0.44	0.434	14.48	18.27	72560	73560	91560	92830	1.30	8.0	16.3	
4	1.522	6	0.754	0.44	0.447	18.35	21.36	91970	90530	107040	105370	1.20	8.0	15.0	
5	0.670	4	0.501	0.20	0.197	6.54	8.87	72170	73270	97800	99290	1.10	8.0	13.8	
6	0.668	4	0.500	0.20	0.196	6.52	8.84	71940	73410	97460	99450	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