Hammad Rehman
A/PM PMU NLC DHA Multan.(NLC Pulp Factory)

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

Client Reference: 607/DHA NLC Mtn/NLC Pulp **Dated:** 09-04-2025
SOM Lab Ref: CED/SOM/1078 (Page-1/1) **Dated:** 17-04-2025
Test: Tension Test & Bend Test **Test Specification:** ASTM-A 615
Sample Type: Deformed 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	2.217	20	18.95	314	282	129.20	185.00	411	459	589	657	30.0	200	15.0	
2	2.220	20	18.98	314	283	128.00	184.70	407	453	588	654	32.5	200	16.3	
3	1.004	12	12.76	113	128	59.50	83.70	526	466	740	655	25.0	200	12.5	
4	1.000	12	12.74	113	127	59.70	83.70	528	469	740	658	22.5	200	11.3	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Resident Engineer **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

HA Consulting Mascon Associates.(Estb/Construction of Model Bazars Sharaqpur Distt Sheikhpura)

Client Reference: 25/HAC-MAS/RE/Sharaqpur/129A **SOM Lab Ref:** 1079 (Page-1/1)

Dated: 19-03-2025 **Dated:** 17-04-2025

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Mughal 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	0.657	4	0.496	0.20	0.193	6.52	8.56	71940	74550	94420	97850	1.30	8.0	16.3	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Two Samples Received and Tested

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