

Test Performed by: Dr. S. Asad Ali Gillani

Engr. Muhammad Ibtisam Azam
PM Mah`d Engineer Pvt Ltd.Lahore.
(Allied Works at PARCO-MCR, Qasba Gujrat Mehmood Kot)

Client Reference No.: 'MEL/F-25-04-0066

Dated: 11-04-2025

SOM Lab Ref: CED/SOM/1056-1057 (Page-2/2)

Dated: 11-04-2025

Test Type: Hardness Test

Sample Type: *Anchor Bolt (24mm)*

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machines
(Minor Load: 10 KgfMajor Load: 140.0 kgf Scale: C)

Hardness Test Results

Sample No.	Sample Type	Hardness avg
1	Anchor Bolt	HR – 15.5– C
2	Anchor Bolt	HR – 19.0- C

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

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PM Mah`d Engineer Pvt Ltd.Lahore.(Allied Works at PARCO-MCR, Qasba Gujrat Mehmood Kot)

Client Reference: MEL/F-25-04-0066 **Dated:** 11-04-2025

SOM Lab Ref: CED/SOM/1056-1057(Page-1/2) **Dated:** 11-04-2025

Test: Tension Test & Bend Test **Test Specification:** ASTM-F 1554

Sample Type: Anchor Bolt (M24) **Gauge Length:** 200 mm

[illegible]

BEND TEST:

24mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested
24mm	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

Fazal Qadir XEN

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

GE (Army)-I Sialkot.(Const Of CH/DH for Patient at CMH Slk Cantt)

Client Reference: 6002/61/E-6

Dated: 20-03-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref:

1054(Page-1/1)

Dated:

11-04-2025

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	1.013	5	0.616	0.31	0.298	8.48	13.66	60340	62770	97180	101090	1.10	8.0	13.8	
2	0.681	4	0.505	0.20	0.200	7.23	9.19	79700	79700	101390	101390	1.00	8.0	12.5	
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<u>BEND TEST:</u>															
# 5	Sample bend through 180 degrees Satisfactorily without any crack										Note:- Only Four Samples Received and Tested				
# 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															

GE (Army)-I Sialkot.(Const 1 x Bn Office Block for A Det Ex 909 Cl Gp Slk)

Dr. /Engr. Asad Ali Gillani

Dated: 10-04-2025

Ref: 1055(Page-1/1)

Dated: 11-04-2025

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	1.484	6	0.745	0.44	0.436	15.67	19.95	78530	79260	99990	100910	1.10	8.0	13.8	
2	1.011	5	0.615	0.31	0.297	8.45	13.56	60120	62750	96460	100680	1.00	8.0	12.5	
3	0.671	4	0.501	0.20	0.197	6.42	8.66	70820	71900	95550	97000	1.00	8.0	12.5	
4	0.675	4	0.502	0.20	0.198	7.26	9.40	80040	80850	103640	104690	0.80	8.0	10.0	
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<u>BEND TEST:</u>															
# 6	Sample bend through 180 degrees Satisfactorily without any crack										Note:- Only Eight Samples Received and Tested				
# 5	Sample bend through 180 degrees Satisfactorily without any crack														
# 4	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															