AJ Contractors Test Performed By: Dr. /Engr. Nauman Khurram

Lahore.(Project Tawal Site ID:TWPGHT0004)

Client Reference:AJ Contractor/Steel/Tawal/17Dated:11-03-2025SOM Lab Ref:CED/SOM/1021 (Page-1/1)Dated:26-03-2025Test:Tension Test & Bend TestTest Specification:ASTM-A 615Sample Type:Deformed BarGauge Length:200 mm

		D	ia.	Ar	ea	Yield	Ultimate	Yield	Stress	Ult. S	Stress			С	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.541	16	15.80	201	196	118.70	143.00	590	606	711	730	27.5	200	13.8	
2	0.979	12	12.60	113	125	70.50	86.70	623	566	767	696	25.0	200	12.5	
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BEND TEST:

	No Bend test performed	Note:-
		Only Two Samples
		Received and Tested
Note: Pleas	se always confirm the results of above report on web www.uet-civil.edu.pk	

Engr Qamar U Zaman,RE

Test Performed By:

Dr. /Engr.

Nauman Khurram

Development Consultancy Services (Pvt) Ltd.(Devlopment Of University Of Sahiwal at Distt Sahiwal)

Test Specification:

SOM Lab

Client Reference: DCS/RE/UOS/2025/0322

Ref: 1020 (Page-1/1)

Dated: 22-03-2025

Dated: 26-03-2025

Test: Tension Test & Bend Test

ASTM-A-615

Gauge Length:

8 inch Sample Type:

Deformed Bar (Ak Supreme)

		D	ia.	Aı	rea	Yield	Ultimate	Yield	Stress	Ult. S	tress			_	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.735	8	1.012	0.79	0.804	27.03	36.41	75470	74160	101650	99880	1.20	8.0	15.0	
2	2.645	8	0.995	0.79	0.777	27.14	36.39	75760	77020	101600	103300	1.10	8.0	13.8	
3	1.488	6	0.746	0.44	0.437	14.93	21.12	74860	75370	105870	106600	1.00	8.0	12.5	
4	1.772	6	0.814	0.44	0.521	14.37	20.64	72050	60850	103470	87380	1.10	8.0	13.8	
5	0.656	4	0.496	0.20	0.193	7.19	9.35	79250	82120	103080	106820	0.90	8.0	11.3	
6	0.653	4	0.494	0.20	0.192	7.75	9.96	85430	88990	109820	114400	1.00	8.0	12.5	
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BEND TEST:

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

Mohsin Abbas

Test Performed By: Dr. /Engr. Wasim Abbas

QAQC Manager Zameen Development.(Const. Of JADE Project by Zameen Development,Lahore)

SOM Lab

 Client Reference:
 ZD/QAQC/SJ-2002478/JADE/08
 Ref:
 1022 (Page-1/1)

 Dated:
 26-03-2025
 Dated:
 26-03-2025

Test: Tension Test & Bend Test Test Specification: ASTM-A-706

Def. Bar (H# SJ-

Received and Tested

Gauge Length: 8 inch Sample Type: 114)

		D	ia.	Α	rea	Yield	Ultimate	Yield	Stress	Ult. S	stress			_	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.482	6	0.745	0.44	0.436	13.58	18.52	68060	68690	92840	93690	1.20	8.0	15.0	
2	1.456	6	0.738	0.44	0.428	13.78	19.01	69080	71020	95290	97960	1.20	8.0	15.0	
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<u>BE</u>	ND TE	ST:													
	# 6	Samp	le bend	through	180 de	grees Sa	atisfactorily	without a	ny crack		Note:-				
											Only Three Samples				

Mr Sulman **Test Performed By:** Dr. /Engr. Nauman Khurram MM BH Consultants.(4-Storey Commercial Building Construction E1-Block Valancia Society Lahore)

SOM Lab

 Client Reference:
 033
 Ref:
 1023 (Page-1/1)

 Dated:
 26-03-2025
 Dated:
 26-03-2025

Test:Tension Test & Bend TestTest Specification:ASTM-A-706Gauge Length:8 inchSample Type:Def. Bar (5 Star)

		D	ia.	А	rea	Yield	Ultimate	Yield	Stress	Ult. S	Stress			_			
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks		
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%			
1	0.664	4	0.498	0.20	0.195	7.03	9.43	77560	79550	103980	106650	0.90	8.0	11.3			
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BE	ND TE	ST:															
	# 4	Samp	le bend	through	180 de	grees Sa	atisfactorily	without a	ny crack		Note:	•					
											Only T						
										Received and Tested							

Mr Sulman

Test Performed By: Dr. /Engr. Nauman Khurram

MM BH Consultants.(4-Storey Commercial Building Construction J-Block Valancia Society Lahore)

SOM Lab

 Client Reference:
 032
 Ref:
 1024 (Page-1/1)

 Dated:
 26-03-2025
 Dated:
 26-03-2025

Test:Tension Test & Bend TestTest Specification:ASTM-A-706Gauge Length:8 inchSample Type:Def. Bar (5 Star)

		D	ia.	Α	rea	Yield	Ultimate	Yield	Stress	Ult. S	Stress			_	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.493	6	0.748	0.44	0.439	15.92	20.90	79810	79990	104750	104980	1.20	8.0	15.0	
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<u>BE</u>	ND TE	ST:													
	# 6	Samp	le bend	througl	n 180 de	grees Sa	atisfactorily	without a	ny crack		Note:	•			
		Only Two Samples Received and Tested										d			

Ravi Construction Company Test Performed By: Dr. /Engr. Nauman Khurram

Lahore.(Project: Repetify 2 QABP, Sheikhpura)(Novatex Limited)

SOM Lab

 Client Reference:
 Nil
 Ref:
 1025 (Page-1/1)

 Dated:
 25-03-2025
 Dated:
 26-03-2025

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

Gauge Length: 8 inch Sample Type: Deformed Bar (Al Moiz Steel)

	± t	D	ia.	А	rea	Yield	Ultimate	Yield	Stress	Ult. S	tress			_	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	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	25.28	33.89	70580	72130	94620	96700	1.70	8.0	21.3	
2	2.639	8	0.994	0.79	0.776	25.23	33.74	70440	71710	94200	95900	1.50	8.0	18.8	
3	1.494	6	0.748	0.44	0.439	13.97	18.98	70000	70160	95140	95360	1.40	8.0	17.5	
4	1.492	6	0.747	0.44	0.438	14.02	19.03	70260	70580	95400	95830	1.40	8.0	17.5	
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# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:-
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
		Only Six Samples
		Received and Tested

Engineer Muhammad Irfan **Test Performed By:** Dr. /Engr. Nauman Khurram
Dy Dir Infra. DHA Gujranwala.(Sector- D)

SOM Lab

 Client Reference:
 111/DD/Lab/D/325
 Ref:
 1026 (Page-1/1)

 Dated:
 25-03-2025
 Dated:
 26-03-2025

Test:Tension Test & Bend TestTest Specification:ASTM-A-615Gauge Length:8 inchSample Type:Deformed Bar

	Dia.		ia.	A	rea	Yield	Ultimate	Yield	Stress	Ult. S	tress			_	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.482	6	0.745	0.44	0.436	14.68	18.93	73580	74250	94880	95760	1.30	8.0	16.3	
2	1.487	6	0.746	0.44	0.437	15.09	19.29	75620	76140	96670	97340	1.40	8.0	17.5	
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BE	ND TE	ST:													
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# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:-
		Only Three Samples
		Received and Tested
Nata: Dias		<u> </u>

Assistant Project Director **Test Performed By:** Dr. /Engr. Asad Ali Gillani PMU-SBP Lahore.(Completion of International Squash Complex at Nishtar Park Sports Complex Lhr)

SOM Lab

 Client Reference:
 ADP/PMU/SBP/LHR/25/875
 Ref:
 1028 (Page-1/1)

 Dated:
 25-03-2025
 Dated:
 26-03-2025

Test:Tension Test & Bend TestTest Specification:ASTM-A-615Gauge Length:8 inchSample Type:Deformed Bar

		Dia. Area		rea	Yield	Ultimate	Yield	Stress	Ult. S	Stress			_			
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks	
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%		
1	0.641	4	0.489	0.20	0.188	6.17	9.38	68010	72350	103420	110020	0.80	8.0	10.0		
2	0.640	4	0.489	0.20	0.188	5.96	9.09	65760	69960	100270	106670	0.90	8.0	11.3		
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BE	ND TE	ST:														
	# 4	Samp	le bend	through	า 180 de	grees Sa	atisfactorily	without a	ny crack		Note:-					
											Only 1					
											Received and Tested					