

Engr. Muhammad Tariq Assai
GM Construction Jafris and Steele (Pvt) Ltd.Lahore

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: JSPL2025-80/531

SOM Lab Ref: CED/SOM/509 (Page-1/1)

Test: Tension Test & Bend Test

Sample Type: Deformed Bar

Dated: 03-01-2025

Dated: 03-01-2025

Test Specification: ASTM-A 615

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	3.876	25	25.08	452	494	266.00	340.50	588	539	753	690	27.5	200	13.8	
2	3.882	25	25.09	452	495	253.00	331.70	559	512	733	671	25.0	200	12.5	
3	2.473	20	20.03	314	315	167.00	215.00	532	531	684	683	35.0	200	17.5	
4	2.226	20	19.00	314	284	170.00	214.50	541	600	683	757	32.5	200	16.3	
5	1.003	12	12.76	113	128	76.50	87.20	676	599	771	683	25.0	200	12.5	
6	1.005	12	12.77	113	128	75.50	88.70	668	590	784	693	25.0	200	12.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Tahawar Owais
PM DSG Energy Lahore.(Const Of Office Building at 29-M QIE,Lahore)

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

Client Reference: Nil
Dated: 03-01-2025
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 505 (Page-1/1)
Dated: 03-01-2025
Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Hunza 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	0.665	4	0.498	0.20	0.195	6.73	9.07	74190	76090	100050	102610	1.20	8.0	15.0	
2	0.658	4	0.496	0.20	0.193	6.68	8.99	73630	76300	99150	102740	1.30	8.0	16.3	
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BEND TEST:

# 4	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		

Allied Bank

Head Const. Site ABL-UML P-199&200.(Const Of ABL Upper Mall Lahore Plot No 199,200)

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Client Reference:

ABL-UML-AMC-QAQC-103

SOM Lab

Ref: 506 (Page-1/1)

Dated:

03-01-2025

Dated:

03-01-2025

Test:

Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length:

8 inch

Sample Type:

Deformed Bar (FF 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	2.626	8	0.991	0.79	0.772	26.22	34.71	73200	74900	96900	99160	1.10	8.0	13.8	
2	2.619	8	0.990	0.79	0.770	26.78	35.34	74760	76700	98660	101230	1.20	8.0	15.0	
3	1.498	6	0.748	0.44	0.440	15.95	20.59	79970	79970	103210	103210	1.30	8.0	16.3	
4	1.536	6	0.758	0.44	0.451	15.49	20.03	77670	75770	100400	97950	1.20	8.0	15.0	
5	1.066	5	0.631	0.31	0.313	10.16	13.56	72310	71610	96460	95530	1.30	8.0	16.3	
6	1.049	5	0.626	0.31	0.308	10.81	14.68	76880	77370	104430	105110	1.40	8.0	17.5	
7	0.652	4	0.494	0.20	0.192	6.49	8.51	71610	74590	93860	97770	1.30	8.0	16.3	
8	0.653	4	0.494	0.20	0.192	6.49	8.53	71610	74590	94090	98010	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	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		

Waqas Ali
Variant Gulberg 2, Lahore.

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

Client Reference: VA/29/178

SOM Lab
Ref: 507 (Page-1/1)

Dated: 03-01-2025

Dated: 03-01-2025

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	2.642	6	0.994	0.44	0.776	25.13	32.90	125950	71420	164880	93490	1.30	8.0	16.3	
2	2.628	6	0.991	0.44	0.772	24.64	32.74	123500	70390	164120	93540	1.30	8.0	16.3	
3	0.656	4	0.496	0.20	0.193	6.47	8.72	71380	73970	96110	99600	1.00	8.0	12.5	
4	0.661	4	0.497	0.20	0.194	6.54	8.84	72170	74400	97460	100470	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Ijaz Ahmad, SE

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

Lucky Core Industries.(Const Of Veterinary Pharmaceutical Building at 30KM Lahore Sheikhupora)

SOM Lab

Client Reference: Nil

Ref: 508 (Page-1/1)

Dated: 03-01-2025

Dated: 03-01-2025

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	2.640	8	0.994	0.79	0.776	32.01	38.96	89360	90970	108770	110730	1.30	8.0	16.3	
2	2.614	8	0.989	0.79	0.768	31.19	38.45	87080	89580	107340	110420	1.20	8.0	15.0	
3	1.490	6	0.747	0.44	0.438	17.43	21.66	87370	87770	108580	109070	1.10	8.0	13.8	
4	1.494	6	0.748	0.44	0.439	17.94	21.99	89930	90130	110210	110460	1.10	8.0	13.8	
5	0.669	4	0.501	0.20	0.197	7.82	9.55	86220	87530	105330	106930	1.10	8.0	13.8	
6	0.670	4	0.501	0.20	0.197	7.31	8.99	80600	81830	99150	100660	1.20	8.0	15.0	
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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		

Saquaib Akram, RE

Test Performed By: Dr. /Engr. Irfan Ul Hassan

NESPAK Lahore.(Const Of Road and Canal Bridge Rajba Kahna From Ahluo Rd To Dhalu Kula Rd)

Client Reference: 3772/103/MHK/ADP/Rajba Kahna/19

SOM Lab

Dated: 18-12-2024

Ref: 510 (Page-1/1)

Dated: 03-01-2025

Test: Tension 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	1.509	6	0.751	0.44	0.443	13.15	19.64	65910	65470	98460	97790	1.30	8.0	16.3	
2	1.506	6	0.751	0.44	0.443	14.29	20.23	71640	71150	101420	100740	1.30	8.0	16.3	
3	0.671	4	0.501	0.20	0.197	6.47	9.09	71380	72470	100270	101800	1.00	8.0	12.5	
4	0.670	4	0.501	0.20	0.197	6.73	9.45	74190	75320	104200	105790	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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		