

Engr. Zahid Abbas

Test Performed By:

Dr. /Engr.

Nauman Khurram

CM Zameen Quadrangle.(Const. Of Zameen Quadrangle at Plot No.49,Gulberg-V Lahore)

Client Reference: ZD/ZQ/GSW/028

SOM Lab 991 (Page-

Ref: 1/1)

Dated: 28-09-2022

Dated: 28-09-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	2.722	8	1.009	0.79	0.800	26.22	34.56	73200	72280	96470	95270	1.30	8.0	16.3	
2	2.644	8	0.995	0.79	0.777	28.59	35.88	79830	81160	100170	101850	1.20	8.0	15.0	
3	1.489	6	0.747	0.44	0.438	13.37	18.93	67040	67350	94880	95320	1.60	8.0	20.0	
4	1.483	6	0.745	0.44	0.436	13.30	18.98	66680	67290	95140	96010	1.30	8.0	16.3	
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BEND TEST:

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

THE GENERATORS
Lahore.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab 992 (Page-

Ref: 1/1)

Dated: 28-09-2022

Dated: 28-09-2022

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	2.651	8	0.996	0.79	0.779	23.70	33.05	66170	67100	92260	93560	1.40	8.0	17.5	
2	1.464	6	0.740	0.44	0.430	13.63	18.27	68320	69900	91560	93690	1.30	8.0	16.3	
3	0.653	4	0.494	0.20	0.192	6.24	8.58	68800	71660	94650	98590	1.00	8.0	12.5	
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BEND TEST:

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

Syed Mohsin Ali RE

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

QA/QC Deptt. Bahria Town Lhr. (Fazal Haque Masjid Talha Block At Bahria Town Lahore)

Client Reference: QA/QC/Steel/2822

SOM Lab

993 (Page-

Ref:

1/1)

Dated: 28-09-2022

Dated:

28-09-2022

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	2.600	8	0.986	0.79	0.764	22.58	32.18	63040	65180	89840	92900	1.50	8.0	18.8	
2	2.624	8	0.991	0.79	0.771	24.13	35.37	67360	69020	98750	101180	1.70	8.0	21.3	
3	1.500	6	0.749	0.44	0.441	13.22	18.45	66270	66120	92480	92270	1.30	8.0	16.3	
4	1.494	6	0.748	0.44	0.439	14.17	19.03	71020	71190	95400	95610	1.30	8.0	16.3	
5	0.674	4	0.502	0.20	0.198	6.73	8.97	74190	74940	98920	99920	1.40	8.0	17.5	
6	0.676	4	0.503	0.20	0.199	6.49	8.51	71610	71970	93860	94330	1.30	8.0	16.3	
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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