

Steelman International Engineers
Lahore

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

Client Reference: Nil

SOM Lab

Ref: 3147(Page-1/1)

Dated: 22-10-2020

Dated: 22-10-2020

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	2.657	8	0.997	0.79	0.781	27.12	33.03	75700	76570	92210	93270	1.30	8.0	16.3	
2	1.484	6	0.745	0.44	0.436	16.06	19.93	80480	81210	99890	100810	1.10	8.0	13.8	
3	0.653	4	0.494	0.20	0.192	7.29	8.89	80370	83720	98020	102110	1.10	8.0	13.8	
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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

Sajid Khawaja
Resident Engineer, EA Consulting (Pvt) Ltd.

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: EA/FGEHA/LHR/030

Dated: 02-11-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3201(Page-1/1)

Dated: 02-11-2020

ASTM-A-615

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	2.630	8	0.992	0.79	0.773	25.76	35.39	71920	73500	98810	100980	1.40	8.0	17.5	
2	2.597	8	0.986	0.79	0.763	26.07	35.73	72770	75340	99750	103280	1.30	8.0	16.3	
3	2.665	8	0.998	0.79	0.783	28.44	38.76	79400	80110	108200	109170	1.30	8.0	16.3	
4	1.501	6	0.749	0.44	0.441	12.71	19.80	63720	63570	99230	99000	1.20	8.0	15.0	
5	1.505	6	0.750	0.44	0.442	12.35	19.01	61930	61650	95290	94860	1.20	8.0	15.0	
6	1.491	6	0.747	0.44	0.438	12.30	19.67	61670	61960	98610	99060	1.40	8.0	17.5	
7	0.677	4	0.503	0.20	0.199	5.73	8.87	63180	63490	97800	98290	1.30	8.0	16.3	
8	0.651	4	0.493	0.20	0.191	5.25	7.85	57890	60620	86560	90630	1.40	8.0	17.5	
9	0.653	4	0.494	0.20	0.192	5.71	8.94	62950	65570	98580	102690	1.30	8.0	16.3	
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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	
# 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

Engr M. Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

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

Client Reference: Nil

Dated: 22-10-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3149(Page-1/1)

Dated: 22-10-2020

ASTM-A-615

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	2.620	8	0.990	0.79	0.770	23.52	34.91	65650	67360	97470	100000	1.30	8.0	16.3	
2	2.604	8	0.987	0.79	0.765	23.70	34.48	66170	68330	96250	99390	1.40	8.0	17.5	
3	0.669	4	0.501	0.20	0.197	6.39	8.58	70480	71560	94650	96090	1.20	8.0	15.0	
4	0.649	4	0.493	0.20	0.191	6.75	8.69	74420	77920	95770	100290	1.10	8.0	13.8	
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BEND TEST:

# 8	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

Wasof Manzoor
Salman Developer (Pvt) Ltd. Lahore

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

Client Reference: Civil-Rft-3-

SOM Lab

Ref: 3150(Page-1/1)

Dated: 22-10-2020

Dated: 22-10-2020

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	2.656	8	0.997	0.79	0.781	23.67	37.02	66080	66840	103360	104550	1.50	8.0	18.8	
2	2.657	8	0.997	0.79	0.781	23.67	37.10	66080	66840	103590	104780	1.40	8.0	17.5	
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BEND TEST:

# 8	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