

SSC Manufacturing (Pvt) Ltd.
Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: SSC/SIE/001

SOM Lab

Ref: 790(Page-1/1)

Dated: 09-05-2019

Dated: 09-05-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.547	8	0.977	0.79	0.749	25.54	34.71	71290	75190	96900	102200	1.20	8.0	15.0	
2	1.516	8	0.754	0.79	0.446	26.86	35.93	74990	132820	100320	177680	1.20	8.0	15.0	
3	1.501	6	0.749	0.44	0.441	13.27	17.89	66530	66380	89670	89470	1.40	8.0	17.5	
4	1.482	6	0.745	0.44	0.436	13.40	17.76	67190	67810	89010	89830	1.50	8.0	18.8	
5	0.638	4	0.488	0.20	0.187	6.03	7.72	66550	71170	85100	91010	1.10	8.0	13.8	
6	0.637	4	0.488	0.20	0.187	5.93	7.51	65420	69970	82850	88610	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

SSC Manufacturing (Pvt) Ltd.
Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: SSC/SIE/002

SOM Lab

Ref: 791(Page-1/1)

Dated: 09-05-2019

Dated: 09-05-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.560	8	0.979	0.79	0.752	26.73	33.94	74620	78390	94770	99550	1.10	8.0	13.8	
2	2.617	8	0.990	0.79	0.769	26.96	36.13	75270	77330	100860	103610	1.10	8.0	13.8	
3	1.505	6	0.750	0.44	0.442	15.70	19.67	78690	78330	98610	98170	1.20	8.0	15.0	
4	1.492	6	0.747	0.44	0.438	13.61	17.91	68210	68530	89780	90190	1.40	8.0	17.5	
5	0.682	4	0.505	0.20	0.200	6.90	8.97	76100	76100	98920	98920	1.10	8.0	13.8	
6	0.678	4	0.503	0.20	0.199	6.44	8.51	71040	71400	93860	94330	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

Test Performed By: Dr. /Engr. M Rizwan Azam

Client Reference: CONC - 20190509

SOM Lab

Ref: 792(Page-1/1)

Dated: 09-05-2019

Dated: 09-05-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Deformed Bar(AF
Steel)

Gauge Length: 8 inch

Sample Type:

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	0.656	4	0.496	0.20	0.193	7.54	9.07	83180	86200	100050	103670	0.90	8.0	11.3	
2	0.656	4	0.496	0.20	0.193	7.34	8.89	80940	83870	98020	101580	1.10	8.0	13.8	
3	0.655	4	0.494	0.20	0.192	7.44	8.82	82060	85480	97230	101290	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed	Note:- Only Three Samples Received and Tested

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