

Engr. M.Asif Javed
PM Grand Central Mall Project ESAC Fiasalabad.

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

Client Reference: ESAC/TGC/GCMF/019

Dated : 04-08-2023

SOM Lab Ref: CED/SOM/2665(Page-1/1)

Dated : 08-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (SJ Steel)

Gauge Length: 200 m

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	m	%	
1	3.900	25	25.16	491	497	306.00	376.20	623	616	766	757	27.5	200	13.8	
2	3.898	25	25.14	491	497	308.20	381.00	628	621	776	768	30.0	200	15.0	
3	3.947	25	25.30	491	503	277.20	357.20	565	552	728	711	32.5	200	16.3	
4	3.933	25	25.26	491	501	279.20	358.20	569	558	730	715	32.5	200	16.3	
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BEND TEST:

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

Aamir Shahzad Alvi

Test Performed By:

Dr. /Engr. Asad Ali Gillani

PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Client Reference: QC/HQ/CIVIL/117

Dated : 07-08-2023

SOM Lab Ref: CED/SOM/2666(Page-1/1)

Dated : 08-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

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	4.735	28	27.71	616	603	292.70	379.00	475	486	616	629	40.0	200	20.0	
2	4.775	28	27.83	616	608	305.00	392.70	495	502	638	646	40.0	200	20.0	
3	3.919	25	25.21	491	499	242.00	320.20	493	485	652	642	40.0	200	20.0	
4	3.977	25	25.40	491	507	249.20	326.00	508	492	664	644	40.0	200	20.0	
5	2.173	20	18.77	314	277	140.70	188.20	448	509	599	680	35.0	200	17.5	
6	2.197	20	18.88	314	280	141.50	196.20	450	506	625	702	35.0	200	17.5	
7	1.516	16	15.68	201	193	98.00	127.50	487	508	634	661	30.0	200	15.0	
8	1.512	16	15.66	201	193	102.20	130.00	508	531	647	675	30.0	200	15.0	
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BEND TEST:

28mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	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

Muhammad Saleem,G.M

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

Professional Const.Services Lahore.(McDonald`s Restaurant at Askari X Lahore)

Client Reference: PCS/22/Eng-94-B

SOM Lab

Ref: 2663 (Page-1/4)

Dated: 07-08-2023

Dated: 08-08-2023

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	0.653	4	0.494	0.20	0.192	6.27	8.46	69130	72010	93300	97190	1.20	8.0	15.0	
2	0.654	4	0.494	0.20	0.192	7.72	9.07	85100	88640	100050	104210	1.00	8.0	12.5	
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BEND TEST:

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

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

Muhammad Saleem,G.M

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

Professional Const.Services Lahore.(McDonald`s Restaurant at Askari X Lahore)

Client Reference: PCS/22/Eng-94-E

SOM Lab

Ref: 2663 (Page-2/4)

Dated: 07-08-2023

Dated: 08-08-2023

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	1.019	5	0.617	0.31	0.299	13.48	15.65	95880	99400	111320	115420	0.90	8.00	11.3	
2	1.020	5	0.618	0.31	0.300	12.39	14.50	88120	91050	103130	106560	0.90	8.00	11.3	
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BEND TEST:

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

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

Muhammad Saleem,G.M

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

Professional Const.Services Lahore.(McDonald`s Restaurant at Askari X Lahore)

Client Reference: PCS/22/Eng-94-C

SOM Lab

Ref: 2663 (Page-3/4)

Dated: 07-08-2023

Dated: 08-08-2023

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	1.513	6	0.753	0.44	0.445	13.99	19.03	70100	69320	95400	94320	1.10	8.0	13.8	
2	1.498	6	0.748	0.44	0.440	17.15	20.97	85940	85940	105100	105100	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

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

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

Muhammad Saleem,G.M

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

Professional Const.Services Lahore.(McDonald`s Restaurant at Askari X Lahore)

Client Reference: PCS/22/Eng-94-D

SOM Lab

Ref: 2663 (Page-4/4)

Dated: 07-08-2023

Dated: 08-08-2023

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	2.580	8	0.982	0.79	0.758	27.42	34.15	76550	79790	95340	99360	1.30	8.00	16.3	
2	2.600	8	0.986	0.79	0.764	27.62	33.97	77120	79750	94820	98050	1.20	8.00	15.0	
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BEND TEST:

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

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

Sajjad Ali Memon

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Pillar & Sons.(Rumanza Golf & Country Club,DHA Multan)

Client Reference: P&S/OTH/GEN/00113

SOM Lab

Ref:

2664 (Page-1/1)

Dated: 01-08-2023

Dated:

08-08-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Amreli 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	1.505	6	0.750	0.44	0.442	16.69	20.08	83640	83270	100660	100200	1.30	8.00	16.3	
2	1.499	6	0.749	0.44	0.441	16.62	20.05	83290	83100	100500	100280	1.20	8.00	15.0	
3	0.588	4	0.469	0.20	0.173	6.70	7.70	73850	85380	84870	98120	1.00	8.00	12.5	
4	0.588	4	0.469	0.20	0.173	6.63	7.67	73070	84470	84530	97730	1.00	8.00	12.5	
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BEND TEST:

6 Sample bend through 180 degrees Satisfactorily without any crack

4 Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Six Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk