

Aamir Shahzad Alvi

Test Performed By:

Dr. /Engr.

Nauman Khurram

PM Usman Ibrahim Construction .(Const Of HIGH-Q Mall at 3-A Gulberg II,Lahore)

Client Reference: QC/HQ/CIVIL/010

Dated: 27-07-2022

SOM Lab Ref: CED/SOM/682(Page-1/1)

Dated: 28-07-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A 615

Sample Type:

MS 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	3.812	25	24.88	491	486	236.70	338.00	482	488	689	696	30.0	200	15.0	
2	3.867	25	25.04	491	493	234.50	335.00	478	477	682	681	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	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

Babar Ali

Test Performed By:

Dr. /Engr.

Nauman Khurram

Const Manager, Guarantee Engrs.(Pvt)Ltd (Beaconhouse School System TNS 2.0 Gulberg-III Lahore)

Client Reference: TNS/GE/ST/014

Dated: 28-07-2022

SOM Lab Ref: CED/SOM/685(Page-1/1)

Dated: 28-07-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	2.219	20	18.98	314	283	141.50	180.50	450	500	575	638	32.5	200	16.3	
2	2.231	20	19.02	314	284	139.50	181.50	444	491	578	639	35.0	200	17.5	
3	1.005	12	12.77	113	128	70.20	87.50	621	549	774	684	22.5	200	11.3	
4	1.003	12	12.76	113	128	69.00	87.70	610	540	775	687	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Witnessed By: Muhammad Ali Khan (A.M.C)

BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Six Samples Received and Tested</p>
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

Major Tanveer Ahmad ®

Test Performed By:

Dr. /Engr.

Nauman Khurram

RE-2 ACES,DHA Multan.(Civil Infrastructure Development Works DHA Multan)

Client Reference: ACES/DHAM/NLC-376

Dated: 27-07-2022

SOM Lab Ref: CED/SOM/688(Page-1/1)

Dated: 28-07-2022

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	0.914	12	12.15	113	116	54.70	79.50	484	472	703	686	30.0	200	15.0	Kamran
2	0.921	12	12.22	113	117	55.20	79.70	488	471	705	680	30.0	200	15.0	Kamran
3	0.887	12	11.99	113	113	52.00	80.70	460	461	714	715	27.5	200	13.8	S.J
4	0.888	12	12.00	113	113	51.00	77.70	451	451	687	687	27.5	200	13.8	S.J
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
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

Engr. Mian Mubashar Rafiq

Test Performed By:

Dr. /Engr.

Wasim Abbas

PM Union Developers Lhr.(const. Of Union Luxury Apartments,Etihad Town Lahore.)

Client Reference: UA/SO/2022/024

SOM Lab

Ref:

681 (Page-1/1)

Dated: 26-07-2022

Dated:

28-07-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Afco 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	1.516	6	0.754	0.44	0.446	19.78	22.73	99130	97790	113940	112410	1.00	8.0	12.5	
2	1.504	6	0.750	0.44	0.442	16.69	20.87	83640	83270	104590	104120	1.10	8.0	13.8	
3	0.632	4	0.487	0.20	0.186	6.65	8.69	73290	78810	95770	102980	1.00	8.0	12.5	
4	0.642	4	0.491	0.20	0.189	7.56	9.23	83410	88260	101730	107650	0.90	8.0	11.3	
5	0.637	4	0.488	0.20	0.187	7.26	9.19	80040	85600	101390	108440	1.00	8.0	12.5	
6	0.639	4	0.489	0.20	0.188	6.85	8.51	75540	80360	93860	99850	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 4	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

Ahmed Ejaz

Test Performed By: Dr. /Engr. Nauman Khurram

Quantity Surveyor Linker Devlopers (Pvt0 Ltd.(Const Of ROLUSTECH Tower,Gulberg III,Lahore)

Client Reference: LD/RT/S-02

SOM Lab

Ref: 683 (Page-1/1)

Dated: 25-07-2022

Dated: 28-07-2022

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	2.641	8	0.994	0.79	0.776	23.62	32.87	65940	67130	91780	93430	1.50	8.0	18.8	
2	1.367	6	0.715	0.44	0.402	10.55	17.43	52890	57880	87370	95630	1.10	8.0	13.8	
3	0.646	4	0.492	0.20	0.190	5.68	8.82	62610	65910	97230	102350	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Muhammad Azhar

Test Performed By:

Dr. /Engr.

Nauman Khurram

RE,Barrage, IBC.(Rehabilitation And Modernization Of Islam Bridge)

Client Reference: IBC/RE/UET/31

SOM Lab

Ref:

684 (Page-1/1)

Dated: 27-07-2022

Dated:

28-07-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Pak 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	0.659	4	0.497	0.20	0.194	4.74	6.49	52270	53890	71610	73820	1.50	8.0	18.8	
2	0.667	4	0.500	0.20	0.196	4.59	6.52	50590	51620	71940	73410	1.60	8.0	20.0	
3	0.657	4	0.496	0.20	0.193	4.71	6.68	51940	53820	73630	76300	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

M. Haroon Ch
 Site Admin Saima Brothers (Pvt) Ltd Lahore. (Model Home)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 686 (Page-1/1)

Dated: 28-07-2022

Dated: 28-07-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Saeed 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	0.653	4	0.494	0.20	0.192	5.98	9.07	65990	68740	100050	104210	1.10	8.0	13.8	
2	0.655	4	0.494	0.20	0.192	6.01	9.17	66320	69090	101170	105380	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Engr. Major Zia-UI-Islam ®

Test Performed By:

Dr. /Engr.

Nauman Khurram

PD GCC,Overseas Const.Co, Lahore.(Project Gulberg City Cerntr, Lahore)

Client Reference: Nil

SOM Lab

Ref:

687 (Page-1/1)

Dated: 27-07-2022

Dated:

28-07-2022

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	2.624	8	0.991	0.79	0.771	29.58	36.00	82590	84620	100510	102990	1.20	8.0	15.0	
2	2.633	8	0.993	0.79	0.774	29.77	36.09	83100	84820	100740	102820	1.10	8.0	13.8	
3	1.479	6	0.744	0.44	0.435	15.24	17.99	76390	77270	90180	91220	1.00	8.0	12.5	
4	1.501	6	0.749	0.44	0.441	17.86	21.68	89520	89320	108680	108430	1.00	8.0	12.5	
5	0.658	4	0.496	0.20	0.193	8.07	9.40	89030	92260	103640	107400	1.10	8.0	13.8	
6	0.663	4	0.498	0.20	0.195	8.00	9.43	88240	90510	103980	106650	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