

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/91

Dated: 13-04-2023

SOM Lab Ref: CED/SOM/2146(Page-1/2)

Dated: 04-05-2023

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	3.778	25	24.75	491	481	242.70	317.50	494	505	647	661	32.5	200	16.3	
2	3.775	25	24.74	491	481	218.00	292.70	444	454	596	609	30.0	200	15.0	
3	2.257	20	19.13	314	287	152.00	192.70	484	529	613	671	32.5	200	16.3	
4	2.257	20	19.13	314	287	154.70	193.70	492	539	617	674	32.5	200	16.3	
5	1.539	16	15.80	201	196	90.70	120.00	451	463	597	613	40.0	200	20.0	
6	1.534	16	15.77	201	195	93.70	122.50	466	480	609	627	35.0	200	17.5	
7	0.995	12	12.70	113	127	65.20	80.00	576	515	707	632	30.0	200	15.0	
8	1.008	12	12.79	113	128	65.70	80.70	581	512	714	629	32.5	200	16.3	
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BEND TEST:

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

12mm Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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/92

Dated: 15-04-2023

SOM Lab Ref: CED/SOM/2146(Page-2/2)

Dated: 04-05-2023

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	3.793	25	24.80	491	483	238.50	311.70	486	494	635	646	35.0	200	17.5	
2	3.785	25	24.78	491	482	245.20	317.50	500	509	647	659	35.0	200	17.5	
3	2.205	20	18.91	314	281	150.70	202.20	480	537	644	720	30.0	200	15.0	
4	2.205	20	18.91	314	281	150.20	200.70	478	535	639	715	35.0	200	17.5	
5	1.528	16	15.74	201	195	99.50	135.20	495	512	672	695	30.0	200	15.0	
6	1.534	16	15.77	201	195	98.00	136.00	487	502	676	697	30.0	200	15.0	
7	1.025	12	12.89	113	131	70.00	84.00	619	537	743	644	30.0	200	15.0	
8	1.023	12	12.88	113	130	70.20	84.50	621	539	747	649	32.5	200	16.3	
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BEND TEST:

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

12mm Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

Saquib Akram,RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Nespak Shalimar Sports Complex,Lahore.(Estb Of Sports Complex In Shalimar Lahore)

Client Reference: 3772/103/NA-130/RE/05/14

Dated: 02-05-2023

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

2141 (Page-1/1)

Dated:

04-05-2023

ASTM-A-615

Deformed Bar (Batala Premium)

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	2.648	8	0.995	0.79	0.778	24.57	34.98	68590	69640	97670	99180	1.40	8.0	17.5	
2	2.643	8	0.995	0.79	0.777	24.26	34.56	67730	68870	96470	98090	1.50	8.0	18.8	
3	0.661	4	0.497	0.20	0.194	7.05	8.97	77790	80190	98920	101980	1.10	8.0	13.8	
4	0.660	4	0.497	0.20	0.194	6.95	8.99	76660	79040	99150	102210	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
# 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

City Builders
Lahore.

Test Performed By: Dr. /Engr. Rizwan Riaz

Client Reference: Nil

SOM Lab

Ref: 2142 (Page-1/1)

Dated: 04-05-2023

Dated: 04-05-2023

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	2.738	8	1.012	0.79	0.805	23.00	37.09	64200	63010	103560	101630	1.10	8.0	13.8	
2	1.496	6	0.748	0.44	0.440	12.79	21.19	64130	64130	106230	106230	1.10	8.0	13.8	
3	0.672	4	0.501	0.20	0.197	5.70	9.09	62840	63800	100270	101800	1.20	8.0	15.0	
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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

City Builders
Lahore.

Test Performed By: Dr. /Engr. Rizwan Riaz

Client Reference: Nil

SOM Lab

Ref: 2142 (Page-1/1)

Dated: 04-05-2023

Dated: 04-05-2023

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	2.738	8	1.012	0.79	0.805	23.00	37.09	64200	63010	103560	101630	1.10	8.0	13.8	
2	1.496	6	0.748	0.44	0.440	12.79	21.19	64130	64130	106230	106230	1.10	8.0	13.8	
3	0.672	4	0.501	0.20	0.197	5.70	9.09	62840	63800	100270	101800	1.20	8.0	15.0	
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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

Nouman Rafique

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

CTO SABCON Associates (Pvt) Ltd.(Const Of Commercial Building at 108P Gulberg,Lahore)

Client Reference: SABCON/2023/CTO/22

SOM Lab

Ref: 2143 (Page-1/1)

Dated: 03-05-2023

Dated: 04-05-2023

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	1.481	6	0.744	0.44	0.435	13.20	17.30	66170	66930	86710	87710	1.30	8.0	16.3	
2	1.479	6	0.744	0.44	0.435	13.07	17.30	65510	66260	86710	87710	1.50	8.0	18.8	
3	1.090	5	0.638	0.31	0.320	10.27	14.32	73030	70750	101890	98710	1.50	8.0	18.8	
4	1.057	5	0.629	0.31	0.311	9.79	13.63	69620	69400	96960	96650	1.30	8.0	16.3	
5	0.673	4	0.502	0.20	0.198	6.17	8.82	68010	68700	97230	98220	1.20	8.0	15.0	
6	0.678	4	0.503	0.20	0.199	6.22	9.04	68570	68920	99710	100210	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 5	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

Mascon Associates Pvt.Ltd
 RE (Civil) Jv HA Consulting .(Estb Od Model Bazaar Head Office Building)

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

Client Reference: MAC-HAC/23/PMBMC/LT/043

Dated: 14-04-2023

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification: ASTM-A-615

Sample Type:

SOM Lab

Ref: 2144 (Page-1/1)

Dated: 04-05-2023

ASTM-A-615

Deformed Bar (PSC 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	0.672	4	0.501	0.20	0.197	6.93	8.82	76440	77600	97230	98720	1.10	8.0	13.8	
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BEND TEST:

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

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

Bridgeway Developers

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

Lhr.(Column & Slab at Pearl Residences By Bridgeway Dev 26 Block-C M.M Alam Rd Gulberg III Lhr)

Client Reference: Nil

SOM Lab

Ref: 2145 (Page-1/1)

Dated: 04-05-2023

Dated: 04-05-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Batala Premium)

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	2.618	8	0.990	0.79	0.769	23.31	33.64	65090	66860	93910	96480	1.30	8.0	16.3	
2	1.531	6	0.757	0.44	0.450	15.57	20.97	78020	76290	105100	102770	1.20	8.0	15.0	
3	0.657	4	0.496	0.20	0.193	7.24	9.35	79810	82710	103080	106820	1.20	8.0	15.0	
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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