

Abdul Ghafar
Project Manager Liberty Builders, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: ST/UET/ 20210402-34
Dated: 02-04-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 4150(Page-1/1)
Dated: 02-04-2021
ASTM-A-615
Sample Type: Deformed Bar(Bataala 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	2.640	8	0.994	0.79	0.776	23.47	34.25	65510	66690	95620	97340	1.20	8.0	15.0	
2	2.609	8	0.988	0.79	0.767	22.75	33.84	63520	65430	94480	97310	1.30	8.0	16.3	
3	2.615	8	0.989	0.79	0.768	22.53	33.59	62890	64700	93770	96460	1.20	8.0	15.0	
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BEND TEST:

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

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. Nauman Khurram

Client Reference: ST/UET/ 20210402-32&40-1
Dated: 02-04-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 4151(Page-1/1)
Dated: 02-04-2021
ASTM-A-615
Sample Type: Deformed Bar(Bataala 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	24.68	33.64	68900	70780	93910	96480	1.40	8.0	17.5	
2	2.635	8	0.993	0.79	0.774	25.69	34.37	71720	73200	95960	97950	1.40	8.0	17.5	
3	2.623	8	0.991	0.79	0.771	23.41	32.93	65370	66980	91920	94190	1.20	8.0	15.0	
4	1.491	6	0.747	0.44	0.438	12.28	19.22	61570	61850	96320	96750	1.40	8.0	17.5	
5	1.491	6	0.747	0.44	0.438	12.54	19.42	62850	63140	97340	97780	1.40	8.0	17.5	
6	1.487	6	0.746	0.44	0.437	12.30	19.22	61670	62100	96320	96980	1.40	8.0	17.5	
7	0.639	4	0.489	0.20	0.188	5.71	8.53	62950	66970	94090	100090	1.20	8.0	15.0	
8	0.652	4	0.494	0.20	0.192	5.68	8.58	62610	65220	94650	98590	1.30	8.0	16.3	
9	0.644	4	0.491	0.20	0.189	5.66	8.51	62390	66020	93860	99330	1.20	8.0	15.0	
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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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: ST/UET/ 20210402-32&40-2
Dated: 02-04-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 4152(Page-1/1)
Dated: 02-04-2021
ASTM-A-615
Sample Type: Deformed Bar(Bataala 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	2.615	8	0.989	0.79	0.768	23.52	36.95	65650	67540	103160	106120	1.30	8.0	16.3	
2	2.609	8	0.988	0.79	0.767	24.64	37.36	68790	70850	104300	107430	1.20	8.0	15.0	
3	2.613	8	0.989	0.79	0.768	23.92	36.72	66790	68710	102510	105440	1.10	8.0	13.8	
4	1.468	6	0.741	0.44	0.431	12.69	19.29	63620	64940	96670	98690	1.10	8.0	13.8	
5	1.466	6	0.741	0.44	0.431	12.66	19.22	63460	64790	96320	98330	1.30	8.0	16.3	
6	1.477	6	0.743	0.44	0.434	13.20	19.34	66170	67090	96930	98270	1.20	8.0	15.0	
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BEND TEST:

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

Maj Adnan khalid® (Dy Dir MTL)

Test Performed By: Dr. /Engr. Nauman Khurram

Const of PD House No. 104 - B, Sec-I, PH-XI, Rahber and Dev Works of Prism-9- Pkg-01 FHA Ph-9

Client Reference: 408/241/E/Lab/59/16 and 1159

SOM Lab

Ref: 4153(Page-1/1)

Dated: 02-04-2021

Dated: 02-04-2021

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AF 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	5.81	8.84	64080	66060	97460	100470	1.30	8.0	16.3	
2	0.656	4	0.496	0.20	0.193	5.68	8.63	62610	64890	95210	98660	1.20	8.0	15.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Project Manager
Nazir & Sons Trust Building Construction Project, Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: NST/MT/SR/UET/009

Dated: 02-04-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4154(Page-1/1)

Dated: 02-04-2021

ASTM-A-615

Deformed(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	1.514	6	0.753	0.44	0.445	12.69	18.25	63620	62900	91460	90430	1.30	8.0	16.3	
2	1.516	6	0.754	0.44	0.446	12.74	18.30	63870	63010	91720	90480	1.20	8.0	15.0	
3	1.043	5	0.625	0.31	0.307	9.14	12.92	65050	65690	91890	92780	1.00	8.0	12.5	
4	1.041	5	0.624	0.31	0.306	9.02	12.69	64180	65020	90290	91470	1.10	8.0	13.8	
5	0.664	4	0.498	0.20	0.195	5.98	8.63	65990	67680	95210	97650	1.10	8.0	13.8	
6	0.669	4	0.501	0.20	0.197	5.83	8.48	64300	65280	93530	94950	1.00	8.0	12.5	
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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

Zahid Bin Waseem
Assistant Engineer, University of Education, Lahore

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

Client Reference: UE/Engg/AE-2021/47

SOM Lab

Ref: 4155(Page-1/1)

Dated: 16-03-2021

Dated: 02-04-2021

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	0.666	4	0.500	0.20	0.196	6.01	8.82	66320	67680	97230	99220	1.10	8.0	13.8	
2	0.668	4	0.500	0.20	0.196	5.96	8.82	65760	67100	97230	99220	1.20	8.0	15.0	
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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

Construction Manager
NESPAK, (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 3976/13/MHK/01/228

SOM Lab

Ref: 4158(Page-1/1)

Dated: 19-03-2021

Dated: 02-04-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	0.647	4	0.492	0.20	0.190	6.73	9.17	74190	78100	101170	106490	1.00	8.0	12.5	
2	0.659	4	0.497	0.20	0.194	6.83	9.25	75320	77650	101960	105110	1.10	8.0	13.8	
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BEND TEST:

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