

Engr. Mian Mubashar Rafiq

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

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

Client Reference: UA/SO/2023/039

SOM Lab

Ref:

1815 (Page-1/1)

Dated: 23-02-2023

Dated:

24-02-2023

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	1.724	6	0.803	0.44	0.507	17.79	23.80	89160	77380	119310	103540	1.10	8.0	13.8	
2	1.618	6	0.778	0.44	0.475	17.15	21.30	85940	79610	106790	98920	1.00	8.0	12.5	
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BEND TEST:

# 6	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

Ali Baig
PM Expo Gold Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 1816 (Page-1/1)

Dated: 23-02-2023

Dated: 24-02-2023

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	2.679	8	1.001	0.79	0.787	25.48	37.79	71150	71420	105490	105900	1.40	8.0	17.5	
2	1.419	6	0.729	0.44	0.417	14.58	22.53	73070	77100	112920	119150	1.00	8.0	12.5	
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BEND TEST:

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

Arif Siddique
Ideal Construction Service,Lahore.(FMH Tower Lahore)

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

Client Reference: ICS/786/454

SOM Lab

Ref: 1817 (Page-1/1)

Dated: 24-02-2023

Dated: 24-02-2023

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	0.673	4	0.502	0.20	0.198	6.63	8.28	73070	73810	91280	92200	1.00	8.0	12.5	
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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

H.M Ahsan Saif
 RE VELOSI Engg.(Const Of AIOU Regional Campus Sahiwal)

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

Client Reference: VISP/135/AIOU/SWL/004
Dated: 23-02-2023
Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Ittehad Steel)

SOM Lab
Ref: 1818 (Page-1/1)
Dated: 24-02-2023

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	1.493	6	0.748	0.44	0.439	16.77	20.07	84050	84240	100610	100840	1.20	8.0	15.0	
2	1.498	6	0.748	0.44	0.440	16.59	19.83	83130	83130	99380	99380	1.20	8.0	15.0	
3	0.674	4	0.502	0.20	0.198	5.83	8.72	64300	64950	96110	97080	1.40	8.0	17.5	
4	0.672	4	0.501	0.20	0.197	5.78	8.66	63740	64710	95550	97000	1.30	8.0	16.3	
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BEND TEST:

# 6	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

Hafiz Ghazanfar Ali

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

Asstt Engr. University Of Education Lahore.(Const of Academic block at university Of education)

Client Reference: UELMC/2023/33

SOM Lab

Ref: 1819 (Page-2/2)

Dated: 06-02-2023

Dated: 24-02-2023

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	2.684	8	1.002	0.79	0.789	26.47	35.93	73910	74000	100320	100440	1.30	8.0	16.3	
2	2.639	8	0.994	0.79	0.776	26.12	35.39	72910	74230	98810	100590	1.30	8.0	16.3	
3	1.483	6	0.745	0.44	0.436	14.04	18.32	70360	71010	91820	92660	1.40	8.0	17.5	
4	1.485	6	0.745	0.44	0.436	14.39	18.50	72150	72810	92740	93590	1.30	8.0	16.3	
5	0.673	4	0.502	0.20	0.198	5.98	8.87	65990	66650	97800	98780	1.40	8.0	17.5	
6	0.672	4	0.501	0.20	0.197	5.98	8.87	65990	66990	97800	99290	1.40	8.0	17.5	
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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

Hafiz Ghazanfar Ali

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

Asstt Engr. University Of Education Lahore.(Const of Academic block at university Of education)

Client Reference: UELMC/2023/43

SOM Lab

Ref: 1819 (Page-1/2)

Dated: 22-02-2023

Dated: 24-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Kisan 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	1.527	6	0.756	0.44	0.449	12.97	18.81	65000	63690	94270	92380	1.40	8.0	17.5	
2	1.532	6	0.757	0.44	0.450	12.97	18.88	65000	63550	94630	92530	1.40	8.0	17.5	
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BEND TEST:

# 6	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

