

M. Rana Manzar Ali

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Senior Manager Project, Izhhar Const. Lahore. (Extruder Building Civil Works)

Client Reference: ICPL/CONST-EXT-0658/22/0006

Dated: 04-04-2022

SOM Lab Ref: CED/SOM/105(Page-1/1)

Dated: 04-04-2022

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	2.439	20	19.90	314	311	172.50	209.50	549	555	667	674	32.5	200	16.3	
2	2.448	20	19.93	314	312	174.50	210.50	555	560	670	675	32.5	200	16.3	
3	1.585	16	16.03	201	202	109.00	137.20	542	540	682	680	32.5	200	16.3	
4	1.583	16	16.03	201	202	107.20	135.70	533	532	675	673	37.5	200	18.8	
5	0.885	12	11.98	113	113	65.20	76.20	576	579	674	677	25.0	200	12.5	
6	0.886	12	11.99	113	113	63.20	75.00	559	560	663	665	25.0	200	12.5	
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BEND TEST:

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

Muneeb Ahmad Tarar
 Project Engr.Centure Ventures, Lahore (Century 1)

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

Client Reference: CV1/SRT/02

SOM Lab

Ref: 106 (Page-1/1)

Dated: 02-04-2022

Dated: 04-04-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Kamran Steel)

Gauge Length: 8 inch

Sample Type:

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	2.649	8	0.995	0.79	0.778	26.76	36.09	74700	75860	100740	102300	1.20	8.0	15.0	
2	2.667	8	0.999	0.79	0.784	23.96	34.35	66880	67390	95900	96640	1.40	8.0	17.5	
3	1.468	6	0.741	0.44	0.431	12.13	17.38	60810	62080	87120	88940	1.60	8.0	20.0	
4	1.473	6	0.743	0.44	0.433	12.39	17.76	62080	63090	89010	90450	1.50	8.0	18.8	
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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	

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/2022/017

SOM Lab

Ref:

107 (Page-1/1)

Dated: 04-04-2022

Dated:

04-04-2022

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	1.478	6	0.743	0.44	0.434	15.97	19.27	80070	81170	96570	97910	1.20	8.0	15.0	
2	1.477	6	0.743	0.44	0.434	15.97	19.32	80070	81170	96830	98160	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

Kamran Khalid Pr. Engr (Civil)

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

WASO PAEC, Chashma. (Const Of Boundary Wall Security Reception And 07 Nos Watch Towers)

Client Reference: WASO-CMD-LOI-152/C/622

SOM Lab

Ref: 108 (Page-1/1)

Dated: 28-03-2022

Dated: 04-04-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (AI Moiz Steel)

Gauge Length:

8 inch

Sample Type:

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	1.541	6	0.759	0.44	0.453	14.22	20.66	71280	69230	103570	100600	1.40	8.0	17.5	
2	1.549	6	0.761	0.44	0.455	14.17	20.69	71020	68680	103720	100300	1.50	8.0	18.8	
3	0.670	4	0.501	0.20	0.197	6.57	8.97	72510	73610	98920	100430	1.40	8.0	17.5	
4	0.671	4	0.501	0.20	0.197	6.27	8.92	69130	70190	98360	99860	1.40	8.0	17.5	
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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

Asif Pervaiz Butt
 RE AYQ Developers Pvt. Ltd.(Union Copmlex)

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

Client Reference: Nil
 Dated: 04-04-2022

SOM Lab
 Ref: 109 (Page-1/1)
 Dated: 04-04-2022

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615
 Deformed Bar (AF
 Steel)

Gauge Length: 8 inch Sample Type:

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	2.601	8	0.986	0.79	0.764	22.96	29.48	64090	66270	82300	85100	1.70	8.0	21.3	
2	2.590	8	0.984	0.79	0.761	22.04	28.61	61530	63870	79880	82930	1.70	8.0	21.3	
3	2.600	8	0.986	0.79	0.764	23.16	29.82	64660	66860	83240	86070	1.50	8.0	18.8	
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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