

Arfan Nazir

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Manager Civil, Nishat Mills Ltd. Lahore. (Nishat Group) (Const Of Nishat Stitching Bath div Lahore)

1058(Page-

Client Reference: NDF/ST/003

SOM Lab Ref:

1/2)

Dated: 10-10-2022

Dated:

10-10-2022

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

Deformed Bar (Agha 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.814	25	24.88	491	486	254.20	333.20	518	524	679	686	32.5	200	16.3	
2	3.888	25	25.11	491	495	227.20	299.50	463	459	610	605	35.0	200	17.5	
3	2.517	20	20.21	314	321	167.70	216.70	534	523	690	676	22.5	200	11.3	
4	2.538	20	20.29	314	323	167.00	210.00	532	517	669	650	32.5	200	16.3	
5	1.572	16	15.97	201	200	107.20	132.20	533	536	658	661	30.0	200	15.0	
6	1.560	16	15.91	201	199	108.20	133.50	538	545	664	672	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	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

Arfan Nazir

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Manager Civil,Nishat Mills Ltd.Lahore. (Nishat Group) (Const Of Nishat Stitching Bath div Lahore)

1058(Page-

Client Reference: NDF/ST/005

SOM Lab Ref: 2/2)

Dated: 10-10-2022

Dated: 10-10-2022

Test: Tension Test

Test Specification: ASTM-A-615

Guage Length: 200 mm

Sample Type: Deformed Bar (Kamran 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.534	16	15.76	201	195	83.20	121.50	414	427	604	624	42.5	200	21.3	
2	1.525	16	15.73	201	194	85.00	120.70	423	438	600	622	30.0	200	15.0	
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BEND TEST:

16mm	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

Leutenant Colonel Abid Dastgir ®

Test Performed By:

Dr. /Engr. Irfran Ul Hassan

CE.Takmeel Square (Pvt.) Ltd.Villa # 30 (12M) DHA Bwp.(Civil Infrastructure Development Works)

Client Reference: TS/0028/Engr/43

SOM Lab 1056 (Page-

Ref: 1/1)

Dated: 04-10-2022

Dated: 10-10-2022

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	2.626	8	0.991	0.79	0.772	24.01	31.50	67020	68580	87940	89990	1.20	8.0	15.0	Agha
2	2.633	8	0.993	0.79	0.774	24.16	31.75	67450	68840	88650	90480	1.40	8.0	17.5	Agha
3	1.538	6	0.759	0.44	0.452	15.21	18.91	76240	74210	94780	92270	1.20	8.0	15.0	Agha
4	1.538	6	0.759	0.44	0.452	14.93	18.76	74860	72870	94020	91520	1.40	8.0	17.5	Agha
5	0.565	4	0.460	0.20	0.166	4.28	6.68	47210	56880	73630	88710	1.20	8.0	15.0	Isb Prem
6	0.568	4	0.461	0.20	0.167	4.25	6.54	46880	56140	72170	86430	1.30	8.0	16.3	Isb Prem
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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

Shahzad Mukhtar Ahmed

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Aitchison College Lahore.(Staff Housing,Aitchison College Lahore)

Client Reference: 1708

SOM Lab

1057 (Page-

Ref:

1/1)

Dated: 07-10-2022

Dated:

10-10-2022

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	1.503	6	0.750	0.44	0.442	15.24	19.01	76390	76040	95290	94860	1.40	8.0	17.5	
2	0.671	4	0.501	0.20	0.197	6.83	8.84	75320	76460	97460	98940	1.30	8.0	16.3	
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BEND TEST:

# 6	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

Muhammad Saad,PMS

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

LWMC,Chief Executive Officer,Al Faaz Engg.(Renovation And Const works At Compost Plant)

Client Reference: Nil

SOM Lab

1059 (Page-

Ref:

1/1)

Dated: 10-10-2022

Dated:

10-10-2022

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	0.638	4	0.488	0.20	0.187	6.39	9.50	70480	75380	104770	112050	1.20	8.0	15.0	
2	0.643	4	0.491	0.20	0.189	6.42	9.76	70820	74940	107580	113840	1.10	8.0	13.8	
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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

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/2022/026

SOM Lab 1060 (Page-

Ref: 1/1)

Dated: 08-10-2022

Dated: 10-10-2022

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	2.651	8	0.996	0.79	0.779	27.39	35.34	76470	77550	98660	100060	1.30	8.0	16.3	
2	2.550	8	0.977	0.79	0.749	26.68	37.92	74480	78550	105860	111660	1.30	8.0	16.3	
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BEND TEST:

# 8	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

Progressive Construction Co.

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Lahore.(Estb Of University of Hafizabad (Group No.2) "Const Of Academic Block No.2)

Client Reference: PCC/S.T/UOF/01

SOM Lab 1061 (Page-

Ref: 1/1)

Dated: 10-10-2022

Dated: 10-10-2022

Test: Tension Test & Bend Test

Test Specification:

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Farooq 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	5.91	9.23	65200	67220	101730	104880	1.20	8.0	15.0	
2	0.658	4	0.496	0.20	0.193	5.78	8.99	63740	66050	99150	102740	1.30	8.0	16.3	
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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