M. Imran Shakir **Test Performed By:** **Dr. /Engr.** S.Asad Ali Gillani

Ijaz construction Company Multan.(Idrees Textile Mills Feroze Wattwan)

Client Reference: Nil **Dated:** 19-01-2022

SOM Lab Ref: CED/SOM/5693(Page-1/1) **Dated:** 19-01-2022

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	3.845	25	24.98	491	490	250.70	324.70	511	512	661	663	32.5	200	16.3	
2	2.518	20	20.21	314	321	185.20	229.00	590	578	729	714	25.0	200	12.5	
3	1.600	16	16.11	201	204	113.70	141.50	565	558	704	695	25.0	200	12.5	
4	0.876	12	11.92	113	112	60.50	75.20	535	543	665	675	22.5	200	11.3	
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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 Eight Samples Received and Tested

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

Engr. Zaheer Ud Din Babar **Test Performed By:** **Dr. /Engr.** S.Asad Ali Gillani

Deputy General Manager Projects,Habib Rafiq Engg.(pvt)Ltd.(Const. of Sky Gardens Tower,Lahore)

Client Reference: HRLE/SKG/2022/004 **Dated:** 18-01-2022

SOM Lab Ref: CED/SOM/5697(Page-1/1) **Dated:** 19-01-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A 615

Sample Type: M S Deformed Bar (Afco Steel) **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	2.777	22	21.23	380	354	161.00	248.20	424	455	653	702	37.5	200	18.8	
2	2.992	22	22.03	380	381	182.20	280.50	479	479	738	736	32.5	200	16.3	
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BEND TEST:

22mm	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

Ilyas Majeed Sheikh **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Chairman Eagle Developers,(Project:City Galleria Gujranwala)

Client Reference: Nil **SOM Lab Ref:** 5692 (Page-1/1)

Dated: 19-01-2022 **Dated:** 19-01-2021

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	2.629	8	0.992	0.79	0.773	24.54	35.80	68500	70010	99950	102140	1.30	8.0	16.3	
2	1.488	6	0.746	0.44	0.437	14.07	20.10	70510	71000	100760	101450	1.00	8.0	12.5	
3	0.656	4	0.496	0.20	0.193	7.21	9.09	79470	82360	100270	103910	1.00	8.0	12.5	
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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

Noor Ul Amin **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Director NHS.(Nippon Medical College Hafizabad Rd Sheikhpura)

Client Reference: NHS/NMC/06 **SOM Lab Ref:** 5694 (Page-1/1)

Dated: 08-12-2021 **Dated:** 19-01-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Mughal 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	1.504	6	0.750	0.44	0.442	15.41	19.80	77260	76910	99230	98780	1.20	8.0	15.0	
2	1.494	6	0.748	0.44	0.439	15.26	19.78	76490	76670	99130	99350	1.20	8.0	15.0	
3	0.676	4	0.503	0.20	0.199	7.57	9.30	83520	83940	102520	103030	1.10	8.0	13.8	
4	0.671	4	0.501	0.20	0.197	7.14	8.94	78690	79890	98580	100080	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Noor Ul Amin **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Direct NHS.(Nippon Medical College Hafizabad Road Sheikhupura)

Client Reference: NHS/NMC/05 **SOM Lab Ref:** 5695 (Page-1/1)

Dated: 08-12-2021 **Dated:** 19-01-2021

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	1.598	6	0.774	0.44	0.470	15.82	21.78	79300	74240	109190	102220	1.00	8.0	12.5	
2	1.534	6	0.758	0.44	0.451	14.83	19.83	74350	72530	99380	96960	1.10	8.0	13.8	
3	0.662	4	0.498	0.20	0.195	5.83	8.00	64300	65950	88240	90510	1.20	8.0	15.0	
4	0.661	4	0.497	0.20	0.194	5.83	8.00	64300	66290	88240	90970	1.40	8.0	17.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Pak Power Steel
PPS Lahore.

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

Client Reference: Nil
Dated: 19-01-2022

SOM Lab Ref: 5699 (Page-1/1)
Dated: 19-01-2022

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	0.642	4	0.491	0.20	0.189	6.03	8.87	66550	70420	97800	103490	1.20	8.0	15.0	
2	0.633	4	0.487	0.20	0.186	6.07	8.97	66890	71920	98920	106370	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

Noor Ahmad Chowdhary
CE Unique Engineering Consultants,Lahore

Test Performed By: **Dr. /Engr.** Wasim Abbas

Client Reference: Nil
Dated: 18-01-2022

SOM Lab Ref: 5699 (Page-1/1)
Dated: 19-01-2022

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	1.517	6	0.754	0.44	0.446	14.19	23.47	71130	70170	117620	116040	1.10	8.0	13.8	
2	1.596	6	0.773	0.44	0.469	14.04	22.70	70360	66010	113790	106750	1.10	8.0	13.8	
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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

Test Performed by: Dr. Asad Gillani

Engr. Zaheer Ud Din Babar,
Dy.General Manager Projects,
Habib Rafiq Engineering (Pvt.)Ltd,Lahore

Client Reference No.: HRLE/SKG/2022/003 Dated: 17-01-2022
SOM Lab Ref: 5696 Dated: 19-01-2022
Test: Tensile Test
Sample Type: M.S Deformed Steel bar with Coupler

Tension Test Results

Sr. No.	Bar Size	Area	Ultimate Load	Ultimate stress	Ultimate stress	Remarks
	(mm)	(mm^2)	kN	(psi)	(Mpa)	
1	25	490.85	196.7	58145	401	Coupler breaks
2	22	380.12	230.0	87725	605	Coupler Thread Failure
3	16	201.06	115.0	82940	572	Steel Sample Breaks

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