

Saleem Tahir
PM ICPL (OMBRé' Holding Pvt Ltd Raiwind, Lahore)

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

Client Reference: OMBRe'/Ittefaq/Steel/006

Dated: 27-04-2022

SOM Lab Ref: CED/SOM/264 (Page-1/1)

Dated: 27-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Mughal 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	3.779	25	24.75	491	481	256.00	336.20	522	533	685	699	25.0	200	12.5	
2	3.803	25	24.84	491	484	256.20	333.70	522	529	680	689	30.0	200	15.0	
3	2.454	20	19.95	314	313	177.70	216.70	566	569	690	694	30.0	200	15.0	
4	2.469	20	20.01	314	314	176.00	219.50	560	560	699	698	30.0	200	15.0	
5	1.534	16	15.78	201	195	106.50	131.50	530	545	654	673	30.0	200	15.0	
6	1.551	16	15.86	201	198	111.70	140.70	556	566	700	713	27.5	200	13.8	
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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

Engr. Imran Siddique

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

P & Co Engr.Ittefaq Building Solution (Pvt.)Ltd.(Cotton Godowns Reliance Cotton Spining Mill Ltd.)

Client Reference: IBS/CG/02

Dated: 27-04-2022

SOM Lab Ref: CED/SOM/263,268(P-1/1)

Dated: 27-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: 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	3.769	25	24.72	491	480	233.00	296.00	475	486	603	617	25.0	200	12.5	
2	2.503	20	20.15	314	319	179.20	229.50	570	562	731	720	30.0	200	15.0	
3	1.556	16	15.89	201	198	105.20	129.20	523	531	643	652	25.0	200	12.5	
4	0.875	12	11.92	113	112	62.00	75.50	548	556	668	678	25.0	200	12.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
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: Please always confirm the results of above report on web www.uet-civil.edu.pk

Khalid Bashir

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Ittfaq Building Solution (Pvt.)Ltd.(Kohinoor Textile Mill Raiwind,LHR.(Weaving Unit Extension))

Client Reference: IBS/KTML/ST 08

Dated: 27-04-2022

SOM Lab Ref: CED/SOM/266(Page-1/1)

Dated: 27-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: 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	3.851	25	25.00	491	491	222.70	318.00	454	454	648	648	25.0	200	12.5	
2	3.828	25	24.92	491	488	212.50	309.00	433	436	629	634	30.0	200	15.0	
3	2.451	20	19.94	314	312	140.70	199.70	448	451	636	640	32.5	200	16.3	
4	2.465	20	20.00	314	314	140.50	202.00	447	448	643	644	35.0	200	17.5	
5	0.893	12	12.03	113	114	52.20	74.00	462	460	654	651	30.0	200	15.0	
6	0.923	12	12.24	113	118	58.00	79.20	513	494	700	674	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	
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

Muhammad Irfan

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Project Engr. DHA Gujranwala.(Const. Works Of Subject Sector G)

Client Reference: 111/15/AD/RS/Pkg-2B/337

SOM Lab

Ref:

261 (Page-1/1)

Dated: 25-04-2022

Dated:

27-04-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Batala 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	2.702	8	1.005	0.79	0.794	26.55	37.64	74140	73760	105070	104540	1.30	8.0	16.3	
2	2.704	8	1.006	0.79	0.795	27.03	37.67	75470	75000	105150	104490	1.30	8.0	16.3	
3	1.482	6	0.745	0.44	0.436	14.42	19.90	72300	72960	99740	100650	1.10	8.0	13.8	
4	1.500	6	0.749	0.44	0.441	14.29	19.93	71640	71470	99890	99670	1.20	8.0	15.0	
5	0.655	4	0.494	0.20	0.192	6.07	8.69	66890	69670	95770	99760	1.40	8.0	17.5	
6	0.655	4	0.494	0.20	0.192	6.32	8.87	69700	72600	97800	101870	1.10	8.0	13.8	
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Witnessed By:

Amir Shehzad L.T DHAG

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

Barkallah Tahir,PE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Sitara Heights.(Sitara 3-Jays Tower Firdous Market Lahore)

Client Reference: SHPL/3JAYS/LHR/07

SOM Lab

Ref:

262 (Page-1/1)

Dated: 27-04-2022

Dated:

27-04-2022

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	2.711	8	1.007	0.79	0.797	23.24	34.07	64890	64320	95110	94270	1.60	8.0	20.0	
2	2.656	8	0.997	0.79	0.781	21.94	33.89	61240	61950	94620	95710	1.50	8.0	18.8	
3	1.505	6	0.750	0.44	0.442	13.43	20.54	67290	66990	102960	102490	1.40	8.0	17.5	
4	1.480	6	0.744	0.44	0.435	13.07	20.20	65510	66260	101270	102440	1.30	8.0	16.3	
5	0.650	4	0.493	0.20	0.191	5.68	8.38	62610	65560	92400	96760	1.40	8.0	17.5	
6	0.673	4	0.502	0.20	0.198	5.37	7.85	59240	59840	86560	87430	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

REDO Engg & Construction
CEO REDO, Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 265 (Page-1/1)

Dated: 27-04-2022

Dated: 27-04-2022

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	1.046	5	0.625	0.31	0.307	9.89	13.25	70350	71040	94280	95200	1.50	8.0	18.8	
2	1.014	5	0.616	0.31	0.298	10.47	13.20	74480	77480	93920	97700	1.40	8.0	17.5	
3	0.653	4	0.494	0.20	0.192	6.70	8.89	73850	76930	98020	102110	1.00	8.0	12.5	
4	0.652	4	0.494	0.20	0.192	6.65	8.66	73290	76350	95550	99530	1.20	8.0	15.0	
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BEND TEST:

# 5	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

UDF Engineers And Contractor
CMP Pelican Mall DHA Bawalpur.

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

Client Reference: UFD/BM/PM/MALL/005

SOM Lab

Ref: 267 (Page-1/1)

Dated: 26-04-2022

Dated: 27-04-2022

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	1.459	6	0.739	0.44	0.429	13.37	18.93	67040	68760	94880	97320	1.00	8.0	12.5	
2	1.448	6	0.736	0.44	0.426	13.32	18.81	66780	68980	94270	97370	1.10	8.0	13.8	
3	1.036	5	0.622	0.31	0.304	8.99	12.49	63970	65230	88840	90590	1.30	8.0	16.3	
4	1.040	5	0.624	0.31	0.306	9.19	12.81	65420	66270	91160	92350	1.00	8.0	12.5	
5	0.673	4	0.502	0.20	0.198	6.27	8.31	69130	69830	91610	92540	1.20	8.0	15.0	
6	0.672	4	0.501	0.20	0.197	6.32	8.26	69700	70760	91050	92440	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

Sub Divisional officer,

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

HSD Pattoki.(Rehab./Const Of Rd From Halla Rd Chowk Adda Skp To Chowk Kot Chattar Singh)

Client Reference: 235/C

SOM Lab

Ref: 269 (Page-1/2)

Dated: 11-03-2022

Dated: 27-04-2022

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	2.730	8	1.011	0.79	0.802	20.18	31.55	56350	55510	88080	86760	2.00	8.0	25.0	
2	2.760	8	1.016	0.79	0.811	20.29	31.75	56630	55170	88650	86350	1.70	8.0	21.3	
3	1.334	6	0.706	0.44	0.392	11.69	18.98	58610	65780	95140	106790	1.30	8.0	16.3	
4	1.336	6	0.707	0.44	0.393	11.74	19.11	58860	65900	95800	107260	1.20	8.0	15.0	
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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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

HSD Pattoki.(Const Of 12` Wide Carpet Rd From Halla Bridge to Bath Kalan Via Opall)

Client Reference: 236/C

SOM Lab

Ref:

269 (Page-2/2)

Dated: 11-03-2022

Dated:

27-04-2022

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	2.759	8	1.016	0.79	0.811	20.44	31.52	57060	55580	87990	85720	1.60	8.0	20.0	
2	2.743	8	1.013	0.79	0.806	20.05	31.75	55980	54870	88650	86890	1.60	8.0	20.0	
3	1.333	6	0.706	0.44	0.392	11.44	19.08	57330	64350	95650	107360	1.20	8.0	15.0	
4	1.338	6	0.707	0.44	0.393	11.64	19.18	58350	65330	96160	107660	1.30	8.0	16.3	
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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