

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

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

Client Reference: OMBRé'/Mughal/Steel/015

Dated : 20-06-2023

SOM Lab Ref: CED/SOM/2482(Page-1/1)

Dated : 21-06-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar

Gauge Length: 200 m

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	m	%	
1	2.466	20	20.00	314	314	166.20	214.20	529	530	682	683	35.0	200	17.5	
2	2.466	20	20.00	314	314	166.20	213.50	529	530	680	680	35.0	200	17.5	
3	1.554	16	15.88	201	198	103.20	133.50	513	522	664	675	35.0	200	17.5	
4	1.550	16	15.86	201	198	105.50	137.00	525	535	681	694	32.5	200	16.3	
5	0.884	12	11.98	113	113	69.70	88.50	616	619	783	786	35.0	200	17.5	
6	0.868	12	11.86	113	111	54.20	74.50	479	491	659	674	35.0	200	17.5	
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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

Sheikhoo Steel

Test Performed
By:

Dr. /Engr. Waseem Abbas

Chief Tech Officer, Sheikhoo Sugar Mills (Steel Div), Anwar Abad Kot Addu, Muzaffargarh.

Client Reference: Nil

Dated : 20-06-2023

SOM Lab Ref: CED/SOM/2485(Page-1/1)

Dated : 21-06-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Sheikhoo Steel)

Gauge Length: 200 m

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	4.834	28	28.01	616	616	294.70	401.50	479	479	652	652	37.5	200	18.8	
2	1.560	16	15.91	201	199	99.70	135.70	496	502	675	684	30.0	200	15.0	
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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

M. Saleem

Test Performed By: Dr./Engr. Waseem Abbas

Construction Company Engrs & Contractors, Sheikhpura.(Extension Dyeing Unit)

Client Reference: Steel Test

SOM Lab

Ref: 2481 (Page-1/1)

Dated: 20-06-2023

Dated: 21-06-2023

Test: Tension Test & Bend Test
inc

Test Specification: ASTM-A-615

Deformed

Gauge Length: 8 h

Sample Type:

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	2.64 3	8	0.99 5	0.7 9	0.77 7	24.89	33.97	69500	70660	94820	96410	1.6 0	8.0	20. 0	
2	1.48 2	6	0.74 5	0.4 4	0.43 6	14.02	19.08	70260	70900	95650	96530	1.3 0	8.0	16. 3	
3	0.66 3	4	0.49 8	0.2 0	0.19 5	6.17	8.48	68010	69750	93530	95920	1.0 0	8.0	12. 5	
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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	
# 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

Q-Links Property Const.

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

Q-Links Property Construction Pvt.Ltd Lhr.(Const of JGM,Bahria Town Lhr)

Client Reference: QCL-JGM-UET-2023-06-LTR-002

SOM Lab

Ref: 2483 (Page-1/1)

Dated: 21-06-2023

Dated: 21-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Deformed Bar (SJ

Gauge Length: 8 h

Sample Type:

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	2.601	8	0.986	0.79	0.764	27.85	36.24	77750	80390	101170	104610	1.40	8.0	17.5	
2	1.462	6	0.740	0.44	0.430	14.75	19.24	73940	75660	96420	98660	1.30	8.0	16.3	
3	0.668	4	0.500	0.20	0.196	6.60	8.33	72730	74210	91840	93710	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	
# 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

Allied Bank
 Manager ABL-UMLP-199&200.(Const Of ABL Upper Mall Lahore)

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

Client Reference: ABL-UML-AMC-QAQC-24

SOM Lab

Ref: 2484 (Page-1a/1)

Dated: 20-06-2023

Dated: 21-06-2023

Test: Tension Test & Bend Test
 inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Amreli 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	2.709	8	1.007	0.799	0.796	27.59	34.45	77040	76460	96190	95460	1.30	8.0	16.3	
2	2.706	8	1.006	0.799	0.795	27.12	34.07	75700	75220	95110	94510	1.50	8.0	18.8	
3	2.705	8	1.006	0.799	0.795	26.27	33.28	73340	72880	92920	92330	1.40	8.0	17.5	
4	1.487	6	0.746	0.444	0.437	15.34	18.52	76900	77430	92840	93480	1.30	8.0	16.3	
5	1.502	6	0.749	0.444	0.441	15.44	18.73	77410	77240	93860	93650	1.20	8.0	15.0	
6	1.495	6	0.748	0.444	0.439	15.31	18.47	76750	76920	92590	92800	1.50	8.0	18.8	
7	1.048	5	0.626	0.311	0.308	11.39	13.35	81010	81530	95000	95620	1.20	8.0	15.0	
8	1.045	5	0.625	0.311	0.307	11.67	13.56	83040	83850	96460	97400	1.40	8.0	17.5	
9	1.036	5	0.622	0.311	0.304	11.37	13.25	80860	82460	94280	96140	1.30	8.0	16.3	
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BEND TEST:

--	No Bend test performed	Note:- Only Nine Samples Received and Tested

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

Allied Bank
 Manager ABL-UMLP-199&200.(Const Of ABL Upper Mall Lahore)

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

Client Reference: ABL-UML-AMC-QAQC-24

SOM Lab

Ref: 2484 (Page-1b/1)

Dated: 20-06-2023

Dated: 21-06-2023

Test: Tension Test & Bend Test
 inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Amreli 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	0.675	4	0.502	0.20	0.198	7.41	8.72	81720	82550	96110	97080	1.40	8.00	17.5	
2	0.672	4	0.501	0.20	0.197	7.41	8.79	81720	82970	96900	98370	1.30	8.00	16.3	
3	0.673	4	0.502	0.20	0.198	7.29	8.74	80370	81190	96340	97310	1.20	8.00	15.0	
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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

Prof.DR.Engr.Abdulah
Yasar,CE

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

GC Uni,Lhr.(Const Of New Girls Hostel at Main Campus GCU Lahore)

SOM Lab

Client Reference: GCU/Engr/877/W.O

Ref: 2486 (Page-1/1)

Dated: 20-06-2023

Dated: 21-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	1.497	6	0.748	0.44	0.440	14.58	19.67	73070	73070	98610	98610	1.20	8.0	15.0	
2	0.668	4	0.500	0.20	0.196	5.52	7.44	60930	62170	82060	83730	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

EPCM Consultants
Senior RE Nespak Sahiwal.(PICIIP)(Lot-03)

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

Client Reference: 3976/11/MIA/SWL/Lot-3/01/146

SOM Lab

Ref: 2487 (Page-1/1)

Dated: 19-06-2023

Dated: 21-06-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Sheikhoo 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	1.487	6	0.746	0.44	0.437	13.71	18.09	68730	69200	90690	91320	1.60	8.0	20.0	
2	1.494	6	0.748	0.44	0.439	13.99	18.67	70100	70260	93610	93820	1.40	8.0	17.5	
3	1.065	5	0.631	0.31	0.313	13.35	16.06	95000	94090	114220	113130	1.40	8.0	17.5	
4	1.061	5	0.630	0.31	0.312	9.81	13.40	69770	69320	95370	94760	1.30	8.0	16.3	
5	0.663	4	0.498	0.20	0.195	6.63	8.74	73070	74940	96340	98810	1.20	8.0	15.0	
6	0.662	4	0.498	0.20	0.195	6.47	8.48	71380	73210	93530	95920	1.30	8.0	16.3	
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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

Assistant Resident Engr PICIIP
Nespak Swl.(Trunk Main Sewer Lines and Allied Work Lot-02)

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

Client Reference: 3976/11/AM/SWL/Lot-2/01/547

SOM Lab

Ref: 2488 (Page-1/1)

Dated: 18-06-2023

Dated: 21-06-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h
inc

Sample Type:

Deformed Bar (Sheikhoo 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	0.673	4	0.502	0.20	0.198	6.85	8.87	75540	76300	97800	98780	1.20	8.0	15.0	
2	0.667	4	0.500	0.20	0.196	6.85	8.69	75540	77080	95770	97730	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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. Rashid
Site Engineer Beacon House School Faisalabad Campus)

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

Client Reference: Nil

Dated: 21-06-2023

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2489 (Page-1/1)

Dated: 21-06-2023

ASTM-A-615

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	2.656	8	0.997	0.79	0.781	21.97	35.65	61330	62040	99520	100670	1.40	8.00	17.5	
2	2.693	8	1.004	0.79	0.791	21.36	35.07	59620	59550	97900	97770	1.30	8.00	16.3	
3	1.511	6	0.752	0.44	0.444	14.07	21.97	70510	69880	110110	109120	1.30	8.00	16.3	
4	1.511	6	0.752	0.44	0.444	13.97	22.01	70000	69370	110310	109320	1.40	8.00	17.5	
5	0.671	4	0.501	0.20	0.197	6.22	9.48	68570	69620	104540	106130	1.30	8.00	16.3	
6	0.671	4	0.501	0.20	0.197	6.24	9.53	68800	69840	105100	106700	1.40	8.00	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

Qasiser Nadeem

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

A/XEN E&M GE (Air) Rafiqui.(Rehb Of Infrastucture For No 14,27 &50 TA Sqn at PAF Base Rafiqui)

Client Reference: 6618/56/E-6

SOM Lab

Ref: 2490 (Page-1/1)

Dated: 20-06-2023

Dated: 21-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	1.520	6	0.754	0.44	0.447	17.20	20.95	86200	84850	105000	103360	1.40	8.00	17.5	
2	0.672	4	0.501	0.20	0.197	5.42	7.00	59800	60710	77230	78400	1.20	8.00	15.0	
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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 Farooq Akhtar
 GE(Army) Mangla Cantt.(GHQ QMG`S Branch DW&CE-Coord Rwp)

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

Client Reference: 117/21/E-1

Dated: 16-06-2023

Test: Tension Test & Bend Test
 inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2464 (Page-1/1)

Dated: 19-06-2023

ASTM-A-615

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	1.195	6	0.669	0.44	0.351	9.07	14.50	45480	57010	72660	91080	1.00	8.00	12.5	
2	1.037	5	0.623	0.31	0.305	10.96	13.63	77960	79240	96960	98550	1.50	8.00	18.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested
# 5	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

Saifullah Amin, Senior RE

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

Nespak Sialkot.(PICIIP)(Const Of Waste Water Treatment Plant In North Zone Sialkot)

Client Reference: Nespak/SA/SW/062

SOM Lab

Ref: 2491 (Page-1/1)

Dated: 20-06-2023

Dated: 21-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	1.047	5	0.626	0.31	0.308	9.58	12.86	68170	68620	91520	92120	1.30	8.0	16.3	
2	1.043	5	0.625	0.31	0.307	9.33	12.69	66360	67010	90290	91170	1.40	8.0	17.5	
3	0.680	4	0.505	0.20	0.200	6.39	8.41	70480	70480	92740	92740	1.30	8.0	16.3	
4	0.683	4	0.506	0.20	0.201	6.49	8.41	71610	71250	92740	92280	1.00	8.0	12.5	
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Witnessed By: Shakeel Ahmad S.E (Piciip),Saif Ullah Amin (SRE-Nespak)

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