

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

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

Client Reference: Nil

Dated: 27-03-2023

SOM Lab Ref: CED/SOM/1999(Page-1b/1)

Dated: 28-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Sheikhoo 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	0.888	12	12.00	113	113	53.20	73.20	470	471	647	648	25.0	200	12.5	693-P
2	0.885	12	11.98	113	113	54.20	76.20	479	481	674	676	27.5	200	13.8	694-P
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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

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/2023/040

SOM Lab

Ref:

1994 (Page-1/1)

Dated: 24-03-2023

Dated:

28-03-2023

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	2.686	8	1.002	0.79	0.789	24.62	32.33	68730	68820	90270	90380	1.50	8.0	18.8	
2	2.697	8	1.005	0.79	0.793	30.86	36.60	86140	85820	102170	101780	1.20	8.0	15.0	
3	1.509	6	0.751	0.44	0.443	16.00	19.75	80220	79680	98970	98300	1.30	8.0	16.3	
4	1.500	6	0.749	0.44	0.441	16.21	19.90	81240	81060	99740	99510	1.20	8.0	15.0	
5	1.526	6	0.755	0.44	0.448	17.89	21.25	89670	88070	106530	104630	1.10	8.0	13.8	
6	1.506	6	0.751	0.44	0.443	16.38	20.25	82110	81560	101530	100840	1.00	8.0	12.5	
7	0.672	4	0.501	0.20	0.197	7.36	9.38	81160	82400	103420	104990	1.10	8.0	13.8	
8	0.680	4	0.505	0.20	0.200	7.49	9.63	82620	82620	106230	106230	1.20	8.0	15.0	
9	0.672	4	0.501	0.20	0.197	6.27	8.10	69130	70190	89370	90730	1.20	8.0	15.0	
10	0.675	4	0.502	0.20	0.198	6.68	8.58	73630	74370	94650	95610	1.20	8.0	15.0	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Fifteen Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	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

Omar Sadiq

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Project Manager One Liberty Mall and H&S Hotel Lahore.

Client Reference: OL/OS/2023/36

SOM Lab

Ref:

1995 (Page-1/1)

Dated: 28-03-2023

Dated:

28-03-2023

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	2.696	8	1.004	0.79	0.792	26.98	40.21	75330	75140	112270	111980	0.90	8.0	11.3	
2	2.769	8	1.018	0.79	0.814	27.52	41.51	76840	74570	115880	112460	0.90	8.0	11.3	
3	1.721	6	0.803	0.44	0.506	15.72	25.45	78790	68510	127580	110940	1.10	8.0	13.8	
4	1.525	6	0.755	0.44	0.448	12.59	22.53	63100	61980	112920	110900	1.00	8.0	12.5	
5	0.677	4	0.503	0.20	0.199	6.07	9.33	66890	67220	102860	103370	1.00	8.0	12.5	
6	0.667	4	0.500	0.20	0.196	6.12	9.28	67450	68820	102290	104380	1.10	8.0	13.8	
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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

Engr's Abdul Waheed

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

PE OZ Developers Lahore.(Const a High-rise Building Bahria Sky at Bahria Orchard ph-4 Lhr)

Client Reference: Nil

SOM Lab

Ref: 1996 (Page-1/1)

Dated: 28-03-2023

Dated: 28-03-2023

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	2.652	8	0.996	0.79	0.779	24.72	34.00	69010	69990	94910	96250	1.40	8.0	17.5	
2	2.650	8	0.996	0.79	0.779	26.37	34.91	73620	74660	97470	98850	1.50	8.0	18.8	
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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

Muhammad Irfan
ME Banu Mukhtar Contracting(Pvt.) Ltd.(Burj-1 By AJWA Builders)

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

Client Reference: DOC-BMC/AJWA/049

SOM Lab

Ref: 1997 (Page-1/1)

Dated: 28-03-2023

Dated: 28-03-2023

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	2.632	8	0.992	0.79	0.773	26.10	34.71	72850	74460	96900	99030	1.40	8.0	17.5	
2	2.636	8	0.993	0.79	0.775	25.08	34.27	70010	71360	95680	97530	1.20	8.0	15.0	
3	1.494	6	0.748	0.44	0.439	16.99	20.51	85180	85370	102800	103040	1.20	8.0	15.0	
4	1.499	6	0.749	0.44	0.441	15.95	19.83	79970	79780	99380	99160	1.20	8.0	15.0	
5	0.695	4	0.510	0.20	0.204	6.85	8.58	75540	74060	94650	92790	1.30	8.0	16.3	
6	0.713	4	0.517	0.20	0.210	7.14	8.89	78690	74940	98020	93350	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

Muhammad Hassan Khan,RE

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

Nespak Lahore.(Const Of Underpass at Ghulab Davi hospital and Additional Lanes On Lahore bridge)

Client Reference: 3772/103/GD/RE/05/397

SOM Lab

Ref: 1998 (Page-1/1)

Dated: 25-03-2023

Dated: 28-03-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

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	2.653	8	0.997	0.79	0.780	24.72	33.18	69010	69900	92630	93820	1.50	8.0	18.8	
2	2.656	8	0.997	0.79	0.781	24.82	33.23	69300	70100	92770	93840	1.60	8.0	20.0	
3	1.523	6	0.755	0.44	0.448	14.53	19.16	72810	71510	96060	94340	1.50	8.0	18.8	
4	1.513	6	0.753	0.44	0.445	14.58	19.24	73070	72250	96420	95330	1.30	8.0	16.3	
5	0.675	4	0.502	0.20	0.198	6.07	8.46	66890	67560	93300	94240	1.30	8.0	16.3	
6	0.670	4	0.501	0.20	0.197	6.09	8.48	67110	68130	93530	94950	1.20	8.0	15.0	
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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

Sheikhoo Steel

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

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

Client Reference: Nil

SOM Lab

Ref: 1999 (Page-1a/1)

Dated: 27-03-2023

Dated: 28-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

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	1.492	6	0.747	0.44	0.438	14.12	19.32	70770	71090	96830	97270	1.30	8.0	16.3	632-P
2	1.503	6	0.750	0.44	0.442	15.14	19.93	75880	75530	99890	99440	1.40	8.0	17.5	633-P
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Engr Syed M Sajjad Hashmi
(Head QA/QC Vision Developers (Pvt) Ltd.(Masjid Al Rehman)

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

Client Reference: 15

SOM Lab

Ref: 2000 (Page-1/1)

Dated: 28-03-2023

Dated: 28-03-2023

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Aziz 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	2.625	8	0.991	0.79	0.771	20.41	33.10	56980	58380	92400	94680	1.70	8.0	21.3	
2	2.616	8	0.990	0.79	0.769	20.25	32.93	56550	58090	91920	94430	1.70	8.0	21.3	
3	1.466	6	0.741	0.44	0.431	13.22	21.53	66270	67660	107910	110170	1.30	8.0	16.3	
4	1.447	6	0.736	0.44	0.425	13.32	21.58	66780	69140	108170	111990	1.20	8.0	15.0	
5	0.671	4	0.501	0.20	0.197	5.20	8.12	57330	58200	89590	90960	1.50	8.0	18.8	
6	0.672	4	0.501	0.20	0.197	5.91	8.23	65200	66190	90720	92100	1.30	8.0	16.3	
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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

Capital Contractor

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

Site In-Charge Capital Contractor Isb.(Fast "NU"Plot # 852-B,Block -B Faisal Town Lahore)

Client Reference: Nil

SOM Lab

Ref: 2001 (Page-1/1)

Dated: 24-03-2023

Dated: 28-03-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Ittehad 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	1.473	6	0.743	0.44	0.433	15.11	18.71	75720	76950	93760	95280	1.10	8.0	13.8	
2	1.470	6	0.742	0.44	0.432	15.26	18.76	76490	77910	94020	95760	1.20	8.0	15.0	
3	0.672	4	0.501	0.20	0.197	5.64	8.46	62160	63110	93300	94720	1.50	8.0	18.8	
4	0.672	4	0.501	0.20	0.197	5.63	8.46	62050	63000	93300	94720	1.60	8.0	20.0	
5	0.648	4	0.492	0.20	0.190	5.63	8.41	62050	65320	92740	97620	1.50	8.0	18.8	
6	0.658	4	0.496	0.20	0.193	5.40	8.18	59580	61740	90150	93420	1.50	8.0	18.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 4	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

