

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Chief Tech Officer, Sheikhoo Sugar Mills, Anwar Abad Kot Addu, Muzaffargarh.

Client Reference: Nil

Dated: 07-12-2022

SOM Lab Ref: CED/SOM/11375(Page-1a/1)

Dated: 08-12-2022

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	2.475	20	20.03	314	315	159.50	210.20	508	507	669	668	37.5	200	18.8	721
2	2.469	20	20.01	314	315	159.50	211.00	508	508	672	671	37.5	200	18.8	723
3	2.456	20	19.96	314	313	157.50	211.00	501	504	672	675	35.0	200	17.5	725
4	2.459	20	19.97	314	313	160.50	210.20	511	513	669	672	37.5	200	18.8	726
5	2.451	20	19.94	314	312	157.20	208.50	500	504	664	668	35.0	200	17.5	727
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

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: 1399 (Page-1b/1)

Dated: 13-12-2022

Dated: 14-12-2022

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	2.615	8	0.989	0.79	0.768	25.79	34.63	72000	74060	96670	99440	1.30	8.0	16.3	757
2	2.648	8	0.995	0.79	0.778	25.69	35.32	71720	72820	98610	100130	1.40	8.0	17.5	762
3	2.662	8	0.998	0.79	0.782	27.29	36.00	76180	76960	100510	101540	1.30	8.0	16.3	758
4	2.617	8	0.990	0.79	0.769	25.96	35.14	72480	74460	98100	100770	1.30	8.0	16.3	764
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

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

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

Hafiz Ozair Ahmad

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Dy.Dir(QCD) WASA,LDA,Lhr.(Manufactring Of R.C.C Manhole Covers WASA,LDA Lahore)

Client Reference: QCD/2430-31

SOM Lab

Ref: 1376(Page-1/1)

Dated: 05-12-2022

Dated:

08-12-2022

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	0.674	4	0.502	0.20	0.198	4.66	7.16	51370	51890	78910	79710	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

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

Engr. Hassan Mehmood

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

RE G3 Engg Consult.(Const.of DHA Newlife Residency Appartments at 273/1Q Block Ph-II DHA.Lhr)

Client Reference: G3/DHA-NLD/RE/122

SOM Lab

Ref: 1377 (Page-1/1)

Dated: 05-12-2022

Dated: 08-12-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Almoiz 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	2.643	8	0.995	0.79	0.777	23.19	34.27	64740	65830	95680	97280	1.60	8.0	20.0	
2	2.675	8	1.000	0.79	0.786	24.18	36.26	67500	67850	101230	101740	1.50	8.0	18.8	
3	2.633	8	0.993	0.79	0.774	23.11	34.30	64520	65850	95760	97740	1.60	8.0	20.0	
4	1.522	6	0.754	0.44	0.447	14.37	19.39	72050	70920	97180	95660	1.80	8.0	22.5	
5	1.558	6	0.764	0.44	0.458	13.37	19.08	67040	64400	95650	91890	1.60	8.0	20.0	
6	1.530	6	0.757	0.44	0.450	14.60	19.67	73170	71540	98610	96420	1.50	8.0	18.8	
7	0.673	4	0.502	0.20	0.198	6.03	8.69	66550	67220	95770	96740	1.60	8.0	20.0	
8	0.654	4	0.494	0.20	0.192	6.03	8.53	66550	69320	94090	98010	1.40	8.0	17.5	
9	0.673	4	0.502	0.20	0.198	6.01	8.72	66320	66990	96110	97080	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve 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

Mr. Talha Zahid

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

E&dc Consultants, Lhr. (Const Of additional Girls Hostel And House Officers Hostel at CKMC)

Client Reference: E&dc-080/01

SOM Lab

Ref: 1378 (Page-1/1)

Dated: 07-12-2022

Dated: 08-12-2022

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	1.502	6	0.749	0.44	0.441	14.70	19.80	73680	73510	99230	99000	1.30	8.0	16.3	
2	1.504	6	0.750	0.44	0.442	14.39	19.80	72150	71820	99230	98780	1.50	8.0	18.8	
3	0.696	4	0.511	0.20	0.205	6.78	9.30	74750	72930	102520	100020	1.30	8.0	16.3	
4	0.666	4	0.500	0.20	0.196	6.37	8.92	70260	71690	98360	100370	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Witnessed By: Talha Zahid (Grad.Civil Engineer,E&DC Associates)

BEND TEST:

# 6	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

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

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

Client Reference: OL/OS/2022/24
Dated: 08-12-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1379 (Page-1/1)
Dated: 08-12-2022
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	2.702	8	1.005	0.79	0.794	24.87	42.02	69440	69090	117300	116710	0.90	8.0	11.3	
2	2.683	8	1.002	0.79	0.788	24.67	41.81	68870	69050	116730	117030	0.90	8.0	11.3	
3	1.594	6	0.772	0.44	0.468	12.92	22.07	64740	60870	110620	104000	0.90	8.0	11.3	
4	1.532	6	0.757	0.44	0.450	14.48	23.82	72560	70940	119410	116760	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Engr. Tajammal Farooq

Test Performed By:

Dr. /Engr. S Asad Ali Gillani

PM (AZEA) Head Office Lhr.(Const. Of Sports Complex At Bhikki Power Plant,Sheikhupura)

Client Reference: AZE/29552

SOM Lab

Ref: 1380 (Page-1/1)

Dated: 08-12-2022

Dated: 08-12-2022

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	0.670	4	0.501	0.20	0.197	6.54	8.12	72170	73270	89590	90960	1.10	8.0	13.8	
2	0.667	4	0.500	0.20	0.196	6.49	8.18	71610	73070	90150	91990	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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