

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: 29-11-2022

SOM Lab Ref: CED/SOM/1331(Page-1/1)

Dated: 30-11-2022

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	0.900	12	12.10	113	115	55.50	76.50	491	483	676	666	35.0	200	17.5	567
2	0.890	12	12.02	113	113	55.70	77.00	492	492	681	680	35.0	200	17.5	570
3	0.925	12	12.25	113	118	53.20	72.70	470	452	643	617	35.0	200	17.5	571
4	0.905	12	12.12	113	115	56.70	76.50	501	492	676	664	32.5	200	16.3	573
5	0.882	12	11.96	113	112	56.20	77.00	497	501	681	686	27.5	200	13.8	574
6	0.877	12	11.92	113	112	53.50	73.70	473	480	652	660	32.5	200	16.3	584
7	0.910	12	12.15	113	116	53.70	73.20	475	464	647	632	37.5	200	18.8	585
8	0.888	12	12.00	113	113	54.20	74.70	479	479	660	661	35.0	200	17.5	586
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

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

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

Rashed Mehmood

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CRE Zeeruk International (Pvt) Ltd.(Const Of Sialkot Kharian Motorway Project-SKM)

Client Reference: SKMP/CRE/2022/33

Dated: 29-11-2022

SOM Lab Ref: CED/SOM/1332(Page-1/1)

Dated: 30-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Plane Steel Bar Dowels (AF 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	3.829	25	24.93	491	488	223.00	348.70	454	457	710	715	35.0	200	17.5	
2	3.877	25	25.08	491	494	222.70	346.70	454	451	706	703	40.0	200	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	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

Sub Divisional Officer,

Test Performed By:

Dr. /Engr.

Nauman Khurram

BSD Ferozewala.(Const Of Judicial Academy at Lahore KSK,Lahore)(M/S SJ Steel Mills)

Client Reference: 5006/F

SOM Lab

Ref:

1328 (Page-1/2)

Dated: 17-11-2022

Dated:

30-11-2022

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	2.649	8	0.995	0.79	0.778	28.70	37.61	80110	81350	105010	106630	0.90	8.0	11.3	
2	2.676	8	1.000	0.79	0.786	28.85	37.53	80540	80950	104780	105320	1.20	8.0	15.0	
3	0.676	4	0.503	0.20	0.199	6.95	8.82	76660	77050	97230	97720	1.00	8.0	12.5	
4	0.671	4	0.501	0.20	0.197	6.39	8.31	70480	71560	91610	93010	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	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

Sub Divisional Officer,

Test Performed By:

Dr. /Engr.

Nauman Khurram

BSD Ferozewala.(Const Of Judicial Academy at Lahore KSK,Lahore)(M/S SJ Steel Mills)

Client Reference: 5005/F

SOM Lab

Ref:

1328 (Page-2/2)

Dated: 17-11-2022

Dated:

30-11-2022

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	1.451	6	0.736	0.44	0.426	14.22	18.81	71280	73620	94270	97370	1.10	8.0	13.8	
2	1.433	6	0.732	0.44	0.421	14.17	18.65	71020	74230	93510	97720	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Syed Mohsin Ali RE

Test Performed By:

Dr. /Engr.

Nauman Khurram

QA/QC Deptt. Bahria Town Lhr. (Fazal Haque Masjid Talha Block Bahria Town Lahore)

Client Reference: QA/QC/Steel-1901

SOM Lab

Ref:

1329 (Page-1/1)

Dated: 24-10-2022

Dated:

30-11-2022

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	2.610	8	0.988	0.79	0.767	26.98	35.37	75330	77590	98750	101710	1.20	8.0	15.0	
2	2.695	8	1.004	0.79	0.792	30.70	38.48	85720	85500	107430	107160	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

M. Tariq Shahzad
 Exec Dir Projects, The Lake City Developers (Pvt) Ltd Lahore.

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

Client Reference: LCRG/Test/015
Dated: 30-11-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1330 (Page-1/1)
Dated: 30-11-2022
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	1.483	6	0.745	0.44	0.436	16.72	20.46	83800	84570	102550	103490	1.30	8.0	16.3	
2	1.497	6	0.748	0.44	0.440	17.66	21.07	88500	88500	105610	105610	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Witnessed By: M.Bilal (QC Inspector of Unison Pvt)

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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Wasim Abbas

PHE:Sub Div Sargodha.(Water Supply Scheme Cheema Colony District Sargodha)

Client Reference: 559

SOM Lab

Ref:

1333 (Page-1/1)

Dated: 16-11-2022

Dated:

30-11-2022

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	1.494	6	0.748	0.44	0.439	17.09	20.90	85690	85880	104750	104980	1.20	8.0	15.0	
2	0.680	4	0.505	0.20	0.200	5.47	7.39	60370	60370	81500	81500	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Test Performed by: Dr Asad Ali Gillani

Ali Hassan

A.F Steel Re Rolling Mills

Lahore.

Client Reference No.: Nil .

Dated: 29-11-2022

SOM Lab Ref: CED/SOM/1326

Dated: 29-11-2022

Test: Tensile Test

Sample Type: H.T Wire. (6m

m)

Test Specification: ASTM-A – 82

Gauge Length: 50mm

Tension Test Results

Sr. No.	Weight	Dia	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Elongation
	Kg/m	(mm)	(mm ²)	KN	KN	(Mpa)	(Mpa)	%
1	0.217	5.97	28	15.70	19.50	561	697	10.0

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