

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 : 24-05-2023

SOM Lab Ref: CED/SOM/2255(Page-1/1)

Dated : 25-05-2023

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	m	%	
1	4.834	28	28.01	616	616	297.50	403.00	483	483	654	655	37.5	200	18.8	
2	3.829	25	24.92	491	488	230.00	317.20	469	472	646	651	32.5	200	16.3	
3	2.977	22	21.97	380	379	187.70	253.00	494	495	666	668	35.0	200	17.5	
4	2.443	20	19.90	314	311	156.50	210.20	498	503	669	676	30.0	200	15.0	
5	1.556	16	15.89	201	198	100.20	132.20	498	506	658	667	30.0	200	15.0	
6	0.886	12	11.99	113	113	53.00	73.70	469	470	652	653	32.5	200	16.3	
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BEND TEST:

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

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

Waqas Sial

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

Project Coordinator National College Of Arts,Lahore.(Const. Of Graduate Block in NCA Lhr)

Client Reference: NCA/PDT/CGB/075

SOM Lab

Ref: 2254 (Page-1/1)

Dated: 24-05-2023

Dated: 25-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

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	2.626	8	0.991	0.79	0.772	24.16	34.05	67450	69020	95050	97270	1.20	8.0	15.0	
2	0.659	4	0.497	0.20	0.194	6.63	8.58	73070	75330	94650	97580	0.90	8.0	11.3	
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Witnessed By: WAQAR-UL-HASSAN (Site Supervisor,NCA)

BEND TEST:

# 8	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

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: 2256 (Page-1/1)

Dated: 24-05-2023

Dated: 25-05-2023

Test: Tension Test & Bend Test
inc

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	2.639	8	0.994	0.79	0.776	25.54	33.81	71290	72580	94400	96100	1.50	8.0	18.8	
2	1.494	6	0.748	0.44	0.439	13.61	19.52	68210	68370	97850	98070	1.50	8.0	18.8	
3	0.654	4	0.494	0.20	0.192	6.22	8.56	68570	71430	94420	98360	1.00	8.0	12.5	
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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

Naeem Drilling Corporation
Ferozwala.(Project: Raki Business Center Raki Road Lhr)

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

Client Reference: Nil

SOM Lab

Ref: 2257 (Page-1/2)

Dated: 25-05-2023

Dated: 25-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	2.626	8	0.991	0.79	0.772	22.94	34.69	64030	65530	96840	99100	1.40	8.0	17.5	
2	2.613	8	0.989	0.79	0.768	23.65	34.82	66020	67920	97210	100000	1.20	8.0	15.0	
3	1.503	6	0.750	0.44	0.442	13.40	18.20	67190	66890	91210	90790	1.30	8.0	16.3	
4	1.509	6	0.751	0.44	0.443	13.78	18.27	69080	68610	91560	90940	1.40	8.0	17.5	
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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	

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

Naeem Drilling Corporation
Ferozwala.(Project: Raki Business Center Raki Road Lhr)

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

Client Reference: Nil

SOM Lab

Ref: 2257 (Page-2/2)

Dated: 25-05-2023

Dated: 25-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

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	2.623	8	0.991	0.79	0.771	27.12	34.68	75700	77570	96820	99200	1.20	8.0	15.0	
2	2.605	8	0.988	0.79	0.766	27.32	35.07	76270	78660	97900	100960	1.40	8.0	17.5	
3	1.406	6	0.725	0.44	0.413	13.71	18.30	68730	73220	91720	97710	1.40	8.0	17.5	
4	1.426	6	0.730	0.44	0.419	13.81	18.42	69240	72710	92330	96960	1.50	8.0	18.8	
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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

Asstt: Executive Engr-I

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

CCD-II Pak P.W.D Lhr.(Const of Carpeting Rd From Mota Singh To Karbath Badian Rd Distt,Lahore)

Client Reference: AEE-I/LCCD-II/LHR/SAP/80

SOM Lab

Ref: 2258 (Page-1/1)

Dated: 14-03-2023

Dated: 25-05-2023

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	2.700	8	1.005	0.79	0.793	24.26	34.00	67730	67480	94910	94550	1.20	8.0	15.0	
2	2.691	8	1.004	0.79	0.791	26.93	35.84	75190	75090	100060	99930	1.30	8.0	16.3	
3	1.508	6	0.751	0.44	0.443	14.24	18.73	71380	70900	93860	93230	1.40	8.0	17.5	
4	1.505	6	0.750	0.44	0.442	16.36	21.05	82010	81640	105510	105030	1.30	8.0	16.3	
5	0.671	4	0.501	0.27	0.197	6.42	8.23	70820	71900	90720	92100	1.00	8.0	12.5	
6	0.669	4	0.501	0.27	0.197	7.05	8.97	77790	78970	98920	100430	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

Saquib Akram,RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Nespak Lahore.(Const.Of Flyover/Underpass at Akbar Chowk Lahore)

SOM Lab

Client Reference: 3772/103/ACE/SA/04/20

Ref:

2259 (Page-1/3)

Dated: 19-05-2023

Dated:

25-05-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	0.687	4	0.507	0.20	0.202	6.90	8.72	76100	75350	96110	95160	1.10	8.0	13.8	
2	0.663	4	0.498	0.20	0.195	6.79	9.25	74870	76790	101960	104570	1.00	8.0	12.5	
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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

Saquib Akram,RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Nespak Lahore.(Const.Of Flyover/Underpass at Akbar Chowk Lahore)

SOM Lab

Client Reference: 3772/103/ACE/SA/04/21

Ref:

2259 (Page-2/3)

Dated: 19-05-2023

Dated:

25-05-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	1.47 2	6	0.74 3	0.4 4	0.43 3	14.60	21.05	73170	74350	10551 0	10722 0	1.2 0	8. 0	15. 0	
2	1.49 2	6	0.74 7	0.4 4	0.43 8	14.42	21.05	72300	72630	10551 0	10599 0	1.2 0	8. 0	15. 0	
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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

Saquib Akram,RE
Nespak Lahore.(Const.Of Flyover/Underpass at Akbar Chowk Lahore)

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

Client Reference: 3772/103/ACE/SA/04/23

SOM Lab

Ref: 2259 (Page-3/3)

Dated: 19-05-2023

Dated: 25-05-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	22.53	33.10	62890	63700	92400	93590	1.50	8.0	18.8		
2	2.649	8	0.995	0.79	0.778	22.60	33.00	63090	64070	92120	93540	1.60	8.0	20.0		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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