

Shahnawaz Akhtar, Test Performed By: Dr. /Engr. Wasim Abbas
 Oriental Enterprises Islamabad.(Const. Of ABL,Samanabad Branch,Faisalabad)

Client Reference: UET/ABL Samanabad/Fsd/2023/01 SOM Lab Ref: 2763-64 (Page-1/1)
 Dated: 28-08-2023 Dated: 30-08-2023
 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	1.484	6	0.745	0.44	0.436	15.72	19.24	78790	79510	96420	97300	1.00	8.00	12.5	
2	1.478	6	0.743	0.44	0.434	16.16	19.64	80990	82110	98460	99820	1.10	8.00	13.8	
3	1.043	5	0.625	0.31	0.307	12.79	14.95	91020	91910	106390	107430	1.20	8.00	15.0	
4	1.025	5	0.619	0.31	0.301	11.77	14.19	83760	86270	100950	103970	1.00	8.00	12.5	
5	0.663	4	0.498	0.20	0.195	6.54	8.94	72170	74020	98580	101110	1.20	8.00	15.0	
6	0.671	4	0.501	0.20	0.197	6.09	8.97	67110	68130	98920	100430	1.00	8.00	12.5	
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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

Kamran Khan
118-119/P Gulberg II Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab

Ref: 2765 (Page-1/1)

Dated: 30-08-2023

Dated: 30-08-2023

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	1.465	6	0.741	0.44	0.431	15.57	21.07	78020	79650	105610	107820	1.20	8.0	15.0	
2	1.457	6	0.738	0.44	0.428	15.44	21.25	77410	79580	106530	109520	1.10	8.0	13.8	
3	0.659	4	0.497	0.20	0.194	6.24	8.74	68800	70920	96340	99310	1.50	8.0	18.8	
4	0.661	4	0.497	0.20	0.194	6.29	8.89	69360	71500	98020	101050	1.30	8.0	16.3	
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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

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

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: ABL-UML-AMC-QAQC-21

SOM Lab

Ref: 2766 (Page-1/1)

Dated: 29-08-2023

Dated: 30-08-2023

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	0.669	4	0.501	0.20	0.197	6.85	8.02	75540	76690	88470	89810	1.30	8.00	16.3	
2	0.667	4	0.500	0.20	0.196	6.98	8.61	77000	78570	94990	96930	1.30	8.00	16.3	
3	0.667	4	0.500	0.20	0.196	6.80	7.90	74980	76510	87120	88900	1.20	8.00	15.0	
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BEND TEST:

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

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

Engr. Naveed Sadiq
RE Orbit Housing.Lahore.(The Springs Apartment Homes)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab

Ref: 2768 (Page-1/1)

Dated: 30-08-2023

Dated: 30-08-2023

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	2.570	8	0.980	0.79	0.755	23.31	34.40	65090	68100	96050	100500	1.50	8.0	18.8	
2	2.606	8	0.988	0.79	0.766	23.36	34.53	65230	67270	96390	99410	1.40	8.0	17.5	
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Witnessed By: Saqib Hussain (Quality Head,Premium Batala)

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

Sadaqat Ahmad,RE
Nespak Lahore.(University Of Child Health Sciences Lahore)

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

Client Reference: 4598/13/SA/09/062

SOM Lab

Ref: 2769 (Page-1/1)

Dated: 29-08-2023

Dated: 30-08-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Gold)

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	1.512	6	0.752	0.44	0.44	13.25	20.49	66430	65830	102700	101780	1.40	8.0	17.5		
2	1.505	6	0.750	0.44	0.44	13.51	20.90	67700	67400	104750	104270	1.50	8.0	18.8		
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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

Riaz Ahmad

Test Performed By: Dr. /Engr. Wasim Abbas

Riaz Construction Company, Lahore (TCF Secondary School, Building in Chak # 29 Faisalabad)

Client Reference: Nil

SOM Lab

Ref: 2770 (Page-1/2)

Dated: 30-08-2023

Dated: 30-08-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Ittefaq 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	2.446	8	0.957	0.79	0.719	23.34	32.87	65170	71610	91780	100840	1.50	8.0	18.8		
2	1.491	6	0.747	0.44	0.438	14.78	19.22	74090	74430	96320	96750	1.10	8.0	13.8		
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BEND TEST:

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

Riaz Ahmad

Test Performed By: Dr. /Engr. Wasim Abbas

Riaz Construction Company, Lahore (TCF Secondary School, Building in Chak # 29 Faisalabad)

Client Reference: Nil

SOM Lab

Ref: 2770 (Page-2/2)

Dated: 30-08-2023

Dated: 30-08-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Ittefaq 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	0.666	4	0.500	0.20	0.196	5.93	9.12	65420	66760	100610	102660	1.30	8.0	16.3	
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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

Nasir Mehmood

Test Performed By: Dr. /Engr.

Nauman
Khurram

CM Elite Engg Pvt Ltd.Lahore.(NTDC WB-10B New Kot Lakhpat Gird Station Lahore)

SOM Lab

Client Reference: EEPL/08/EL-124

Ref: 2771 (Page-1/1)

Dated: 30-08-2023

Dated: 30-08-2023

Test: Tension Test & Bend Test
inc

Test Specification: ASTM-A-615

Gauge Length: 8 h

Sample Type: Deformed Bar (Batala 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	1.47 3	6	0.74 3	0.4 4	0.43 3	15.16	21.20	75980	77210	10628 0	10800 0	1.1 0	8. 0	13. 8	
2	1.47 1	6	0.74 2	0.4 4	0.43 2	15.14	21.43	75880	77280	10740 0	10939 0	1.3 0	8. 0	16. 3	
3	0.67 1	4	0.50 1	0.2 0	0.19 7	6.29	8.51	69360	70410	93860	95290	1.1 0	8. 0	13. 8	
4	0.67 1	4	0.50 1	0.2 0	0.19 7	6.34	8.46	69920	70990	93300	94720	1.1 0	8. 0	13. 8	
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Witnessed By: Fahad Manzoor (Nespak,SE), Shaheer Shahbaz (SIEMENS)

BEND TEST:

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

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Director Projects, Sheikhoo Sugar Mills (Steel Div), Anwar Abad Kot Addu, Muzaffargarh.

SOM Lab

Client Reference: Nil

Ref: 2773 (Page-1a/1)

Dated: 27-08-2023

Dated: 30-08-2023

Test: Tension Test 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	1.490	6	0.747	0.44	0.438	14.02	19.03	70260	70580	95400	95830	1.50	8.0	18.8	S-001
2	1.467	6	0.741	0.44	0.431	13.37	17.84	67040	68440	89420	91280	1.40	8.0	17.5	S-002
3	1.490	6	0.747	0.44	0.438	13.78	19.16	69080	69400	96060	96500	1.20	8.0	15.0	S-003
4	1.486	6	0.746	0.44	0.437	13.99	19.27	70100	70590	96570	97230	1.40	8.0	17.5	S-004
5	1.502	6	0.749	0.44	0.441	14.29	18.71	71640	71470	93760	93550	1.30	8.0	16.3	S-005
6	1.479	6	0.744	0.44	0.435	13.88	19.22	69590	70390	96320	97420	1.40	8.0	17.5	S-006
7	1.499	6	0.749	0.44	0.441	14.39	18.96	72150	71980	95040	94820	1.30	8.0	16.3	S-007
8	1.493	6	0.748	0.44	0.439	14.12	19.01	70770	70930	95290	95510	1.30	8.0	16.3	S-008
9	1.496	6	0.748	0.44	0.440	14.70	18.91	73680	73680	94780	94780	1.30	8.0	16.3	S-009
10	1.483	6	0.745	0.44	0.436	14.73	19.06	73830	74510	95550	96430	1.30	8.0	16.3	S-010

BEND TEST:

--	No Bend test performed	Note:- Only Ten 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.

Nauman
Khurram

Director Projects, Sheikhoo Sugar Mills (Steel Div), Anwar Abad Kot Addu, Muzaffargarh.

SOM Lab

Client Reference: Nil

Ref:

2773 (Page-1b/1)

Dated: 27-08-2023

Dated:

30-08-2023

Test: Tension Test 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	1.488	6	0.746	0.44	0.437	14.70	18.86	73680	74190	94530	95180	1.30	8.0	16.3	S-011
2	1.476	6	0.743	0.44	0.434	14.88	19.16	74600	75630	96060	97390	1.40	8.0	17.5	S-012
3	1.472	6	0.743	0.44	0.433	14.80	19.27	74190	75390	96570	98130	1.30	8.0	16.3	S-013
4	1.493	6	0.748	0.44	0.439	14.63	19.03	73320	73490	95400	95610	1.20	8.0	15.0	S-014
5	1.471	6	0.742	0.44	0.432	14.73	18.91	73830	75200	94780	96540	1.20	8.0	15.0	S-015
6	1.493	6	0.748	0.44	0.439	14.17	19.01	71020	71190	95290	95510	1.30	8.0	16.3	S-016
7	1.483	6	0.745	0.44	0.436	14.60	19.22	73170	73840	96320	97200	1.20	8.0	15.0	S-017
8	1.495	6	0.748	0.44	0.439	14.98	19.11	75110	75280	95800	96020	1.10	8.0	13.8	S-018
9	1.502	6	0.749	0.44	0.441	14.32	18.78	71790	71630	94120	93900	1.30	8.0	16.3	S-019
10	1.483	6	0.745	0.44	0.436	14.70	19.34	73680	74360	96930	97820	1.30	8.0	16.3	S-020

BEND TEST:

--	No Bend test performed	Note:- Only Ten 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.

Nauman
Khurram

Director Projects, Sheikhoo Sugar Mills (Steel Div), Anwar Abad Kot Addu, Muzaffargarh.

SOM Lab

Client Reference: Nil

Ref:

2773 (Page-1c/1)

Dated: 27-08-2023

Dated:

30-08-2023

Test: Tension Test 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	1.49 1	6	0.74 7	0.4 4	0.43 8	13.83	18.93	69340	69650	94880	95320	1.4 0	8. 0	17. 5	S-021
2	1.49 4	6	0.74 8	0.4 4	0.43 9	14.44	19.01	72400	72570	95290	95510	1.3 0	8. 0	16. 3	S-022
3	1.50 2	6	0.74 9	0.4 4	0.44 1	14.39	18.93	72150	71980	94880	94670	1.3 0	8. 0	16. 3	S-023
4	1.50 2	6	0.74 9	0.4 4	0.44 1	14.65	18.83	73430	73260	94370	94160	1.3 0	8. 0	16. 3	S-024
5	1.49 4	6	0.74 8	0.4 4	0.43 9	14.95	19.03	74960	75130	95400	95610	1.4 0	8. 0	17. 5	S-025
6	1.49 2	6	0.74 7	0.4 4	0.43 8	14.80	19.03	74190	74530	95400	95830	1.3 0	8. 0	16. 3	S-026
7	1.49 4	6	0.74 8	0.4 4	0.43 9	14.04	19.11	70360	70520	95800	96020	1.3 0	8. 0	16. 3	S-027
8	1.47 6	6	0.74 3	0.4 4	0.43 4	14.68	19.13	73580	74600	95910	97230	1.2 0	8. 0	15. 0	S-028
9	1.47 7	6	0.74 3	0.4 4	0.43 4	14.73	19.39	73830	74860	97180	98530	1.2 0	8. 0	15. 0	S-029
10	1.49 4	6	0.74 8	0.4 4	0.43 9	15.04	19.32	75370	75540	96830	97050	1.2 0	8. 0	15. 0	S-030

BEND TEST:

--	No Bend test performed	Note:- Only Ten 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.

Nauman Khurram

Director Projects, Sheikhoo Sugar Mills (Steel Div), Anwar Abad Kot Addu, Muzaffargarh.

SOM Lab

Client Reference: Nil

Ref:

2773 (Page-1d/1)

Dated: 27-08-2023

Dated:

30-08-2023

Test: Tension Test 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	1.502	6	0.749	0.44	0.441	15.51	19.52	77770	77590	97850	97630	1.30	8.0	16.3	S-031
2	1.491	6	0.747	0.44	0.438	15.21	19.47	76240	76580	97590	98040	1.30	8.0	16.3	R-990
3	1.499	6	0.749	0.44	0.441	14.07	19.03	70510	70350	95400	95180	1.40	8.0	17.5	R-991
4	1.498	6	0.748	0.44	0.440	14.37	18.62	72050	72050	93350	93350	1.40	8.0	17.5	R-992
5	1.500	6	0.749	0.44	0.441	15.36	19.44	77000	76830	97440	97220	1.20	8.0	15.0	R-993
6	1.501	6	0.749	0.44	0.441	15.70	19.80	78690	78510	99230	99000	1.20	8.0	15.0	R-994
7	1.503	6	0.750	0.44	0.442	14.19	18.78	71130	70800	94120	93690	1.30	8.0	16.3	R-995
8	1.499	6	0.749	0.44	0.441	13.99	18.73	70100	69950	93860	93650	1.30	8.0	16.3	R-996
9	1.501	6	0.749	0.44	0.441	14.65	19.24	73430	73260	96420	96200	1.30	8.0	16.3	R-997
10	1.493	6	0.748	0.44	0.439	14.09	19.13	70620	70780	95910	96120	1.40	8.0	17.5	R-998

BEND TEST:

--	No Bend test performed	Note:- Only Ten 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.

Nauman
Khurram

Director Projects, Sheikhoo Sugar Mills (Steel Div), Anwar Abad Kot Addu, Muzaffargarh.

SOM Lab

Client Reference: Nil

Ref:

2773 (Page-1e/1)

Dated: 27-08-2023

Dated:

30-08-2023

Test: Tension Test 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	1.493	6	0.748	0.44	0.439	15.49	19.44	77670	77840	97440	97660	1.30	8.0	16.3	R-999
2	1.508	6	0.751	0.44	0.443	13.83	18.83	69340	68870	94370	93730	1.50	8.0	18.8	R-1000
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Sub Divisional officer,

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

BSD No.02,Multan (Const Of New Admin Block Lahore High Court Multan)

Client Reference: 357/SDO 2Th

SOM Lab

Ref: 2774 (Page-1/1)

Dated: 23-08-2023

Dated: 30-08-2023

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	1.512	6	0.752	0.444	0.444	14.80	19.85	74190	73520	99480	98590	1.20	8.0	15.0	
2	1.507	6	0.751	0.444	0.443	13.61	19.67	68210	67750	98610	97950	1.30	8.0	16.3	
3	0.670	4	0.501	0.207	0.197	7.08	9.35	78130	79320	103080	104650	1.20	8.0	15.0	
4	0.671	4	0.501	0.207	0.197	6.88	9.38	75880	77030	103420	104990	1.10	8.0	13.8	
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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

Sheikhoo Steel

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

Director Projects, Sheikhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil

SOM Lab

Ref: 2775 (Page-1a/1)

Dated: 28-08-2023

Dated: 30-08-2023

Test: Tension Test 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	2.629	8	0.992	0.79	0.773	25.18	34.51	70290	71840	96330	98450	1.50	8.0	18.8	32-S
2	2.630	8	0.992	0.79	0.773	25.48	33.66	71150	72710	93970	96040	1.60	8.0	20.0	33-S
3	2.640	8	0.994	0.79	0.776	23.98	33.38	66940	68140	93200	94880	1.40	8.0	17.5	34-S
4	2.646	8	0.995	0.79	0.778	24.13	33.20	67360	68400	92690	94120	1.40	8.0	17.5	35-S
5	2.630	8	0.992	0.79	0.773	25.84	33.74	72140	73730	94200	96270	1.30	8.0	16.3	36-S
6	2.648	8	0.995	0.79	0.778	26.01	33.81	72630	73750	94400	95850	1.50	8.0	18.8	37-S
7	2.637	8	0.993	0.79	0.775	25.33	34.53	70720	72090	96390	98250	1.40	8.0	17.5	38-S
8	2.626	8	0.991	0.79	0.772	25.33	34.68	70720	72370	96820	99070	1.30	8.0	16.3	39-S
9	2.619	8	0.990	0.79	0.770	26.91	34.48	75130	77080	96250	98750	1.50	8.0	18.8	40-S
10	2.636	8	0.993	0.79	0.775	25.71	34.15	71770	73160	95340	97180	1.20	8.0	15.0	41-S

BEND TEST:

--	No Bend test performed	Note:- Only Ten 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

Director Projects, Sheikhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil

SOM Lab

Ref: 2775 (Page-1b/1)

Dated: 28-08-2023

Dated: 30-08-2023

Test: Tension Test 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	2.659	8	0.997	0.79	0.781	24.36	34.35	68020	68800	95900	97010	1.50	8.00	18.8	042-S
2	2.659	8	0.997	0.79	0.781	24.54	33.23	68500	69290	92770	93840	1.40	8.00	17.5	.043-S
3	2.670	8	1.000	0.79	0.785	24.69	33.54	68930	69370	93630	94220	1.50	8.00	18.8	044-S
4	2.659	8	0.997	0.79	0.781	25.05	33.71	69920	70730	94110	95200	1.40	8.00	17.5	045-S
5	2.653	8	0.997	0.79	0.780	24.54	33.40	68500	69380	93260	94450	1.60	8.00	20.0	046-S
6	2.675	8	1.000	0.79	0.786	24.52	33.44	68440	68790	93340	93820	1.50	8.00	18.8	047-S
7	2.645	8	0.995	0.79	0.777	24.94	33.44	69640	70800	93340	94910	1.60	8.00	20.0	048-S
8	2.645	8	0.995	0.79	0.777	24.99	33.54	69780	70950	93630	95190	1.30	8.00	16.3	049-S
9	2.645	8	0.995	0.79	0.777	24.94	33.56	69640	70800	93680	95250	1.60	8.00	20.0	050-S
10	2.623	8	0.991	0.79	0.771	24.89	33.56	69500	71210	93680	95990	1.30	8.00	16.3	051-S

BEND TEST:

--	No Bend test performed	Note:- Only Ten 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

Director Projects, Sheikhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil

Dated: 28-08-2023

Test: Tension Test Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2775 (Page-1c/1)

Dated: 30-08-2023

ASTM-A-615

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	2.624	8	0.991	0.79	0.771	25.18	33.76	70290	72030	94250	96580	1.70	8.0	21.3	052-S
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Muhammad Waqas
Manager Civil Shangrila Foods (Pvt) Ltd.Karachi

Test Performed By: Dr. /Engr. Nauman Khuram

Client Reference: Nil
Dated: 30-08-2023

SOM Lab
Ref: 2776 (Page-1/1)
Dated: 30-08-2023

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	2.646	8	0.995	0.79	0.778	24.79	34.22	69210	70280	95530	97010	1.30	8.00	16.3	
2	2.646	8	0.995	0.79	0.778	24.92	34.25	69580	70660	95620	97090	1.30	8.00	16.3	
3	1.495	6	0.748	0.44	0.439	15.26	19.72	76490	76670	98870	99100	1.20	8.00	15.0	
4	1.486	6	0.746	0.44	0.437	15.01	19.34	75210	75730	96930	97590	1.00	8.00	12.5	
5	0.673	4	0.502	0.20	0.198	6.27	8.74	69130	69830	96340	97310	1.20	8.00	15.0	
6	0.672	4	0.501	0.20	0.197	6.39	8.87	70480	71560	97800	99290	1.20	8.00	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

Muhammad Arfat,RE
ACE-Arts UAEET Sambrial.(Estb Of UAEET Sambrial,Sialkot)

Test Performed By: Dr. /Engr. Plain Bar

Client Reference: ER/UAEET/ACE/ME/2023/33

Dated: 23-08-2023

Test: Tension Tests

Guage Length: 50 mm

Test Specification:

Sample Type:

SOM Lab Ref:

Dated:

ASTM-A - 82
H T Wire (#
2)

2767(Page-
1/1)

30-08-2023

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	m	m	%	
1	0.220	6	5.97	28.27	28.00	17.00	18.50	601	608	654	661	7.5	50	15.0	
2	0.220	6	5.97	28.27	28.00	17.50	19.70	619	625	697	704	5.0	50	10.0	
3	0.216	6	5.92	28.27	27.55	17.00	18.70	601	618	661	679	7.5	50	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

