

M.Imran Shakir

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

M.Imran Construction Company Multan.(Chowk Sarwer saheed M M Rd Muzafergarh.

Client Reference: Nil

Dated: 19-11-2021

SOM Lab Ref: CED/SOM/5329 (Page-1/1)

Dated: 19-11-2021

Test: Tensile Test & Bend Test

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

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	3.888	25	25.11	491	495	299.50	379.20	610	606	772	767	27.5	200	13.8	
2	2.193	20	18.86	314	279	139.50	191.50	444	500	610	686	32.5	200	16.3	
3	1.540	16	15.81	201	196	100.20	133.00	498	511	661	678	37.5	200	18.8	
4	0.997	12	12.72	113	127	65.20	89.00	576	514	787	701	27.5	200	13.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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

Khadija Builders

Test Performed By:

Dr. /Engr. Asad Ghalani

University Of Faisalabad Gate no. 2 Sargodha Road Faisalabad

Client Reference: 01/KB/2021

SOM Lab

Ref: 5323(Page-1/1)

Dated: 18-11-2021

Dated: 19-11-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	2.647	8	0.995	0.79	0.778	27.59	36.46	77040	78230	101800	103370	1.30	8.0	16.3	
2	1.015	5	0.616	0.31	0.298	9.94	13.25	70710	73560	94280	98080	1.30	8.0	16.3	
3	0.684	4	0.506	0.20	0.201	7.03	8.99	77560	77180	99150	98650	1.20	8.0	15.0	
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Witnessed By:

M Asad Iqbal(Khadija Builders), M.Jamil (FF-Steel)

BEND TEST:

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

Asif Pervaiz Butt
 AYQ Developers (Pvt.)Ltd. Lahore (Union Complex)

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: Nil

SOM Lab

Ref: 5324(Page-1/2)

Dated: 19-11-2021

Dated: 19-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AF Steel)

ASTM-A-615

Deformed Bar (AF 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	1.507	6	0.751	0.44	0.443	15.51	20.92	77770	77240	104850	104140	1.20	8.0	15.0	
2	1.487	6	0.746	0.44	0.437	14.90	20.31	74700	75220	101780	102480	1.20	8.0	15.0	
3	1.488	6	0.746	0.44	0.437	15.11	20.51	75720	76240	102800	103510	1.10	8.0	13.8	
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BEND TEST:

# 6	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

Asif Pervaiz Butt
 AYQ Developers (Pvt.)Ltd. Lahore (Union Complex)

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: Nil

SOM Lab

Ref: 5324(Page-2/2)

Dated: 19-11-2021

Dated: 19-11-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	0.630	4	0.485	0.20	0.185	7.67	9.58	84530	91390	105670	114230	0.90	8.0	11.3	
2	0.631	4	0.485	0.20	0.185	7.67	9.60	84530	91390	105890	114480	0.90	8.0	11.3	
3	0.648	4	0.492	0.20	0.190	7.71	9.91	84980	89460	109260	115010	0.90	8.0	11.3	
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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

Muhammad Waqas Anwar
Resident engineer-I NesPak,(Widening of Aik Moria Pull,Lahore)

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: 3772/AMP/103/MWA/04/80

SOM Lab

Ref: 5325(Page-1/4)

Dated: 16-11-2021

Dated: 19-11-2021

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	2.595	8	0.986	0.79	0.763	24.99	31.37	69780	72250	87570	90670	1.10	8.0	13.8	
2	2.588	8	0.984	0.79	0.761	29.28	36.36	81730	84850	101510	105380	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Muhammad Waqas Anwar
Resident engineer-I NesPak,(Widening of Aik Moria Pull,Lahore)

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: 3772/AMP/103/MWA/04/82

SOM Lab

Ref: 5325(Page-2/4)

Dated: 16-11-2021

Dated: 19-11-2021

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	1.518	6	0.754	0.44	0.446	13.37	19.83	67040	66140	99380	98040	1.60	8.0	20.0	
2	1.517	6	0.754	0.44	0.446	13.30	19.62	66680	65780	98360	97040	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

Muhammad Waqas Anwar
Resident engineer-I NesPak,(Widening of Aik Moria Pull,Lahore)

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: 3772/AMP/103/MWA/04/83

SOM Lab

Ref: 5325(Page-3/4)

Dated: 16-11-2021

Dated: 19-11-2021

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	0.647	4	0.492	0.20	0.190	5.96	8.82	65760	69220	97230	102350	1.50	8.0	18.8	
2	0.652	4	0.494	0.20	0.192	5.91	8.84	65200	67920	97460	101520	1.50	8.0	18.8	
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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

M Waqas Anwar

Test Performed By: Dr. /Engr. Asad Ghalani

Resident engineer NesPak,(Construction of Canal bank Rd from Sunder to Manga Raiwind Rd,Lahore)

Client Reference: 3772/MCR/103/MWA/01/17

SOM Lab

Ref: 5325(Page-4/4)

Dated: 17-11-2021

Dated: 19-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Model 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	0.649	4	0.493	0.20	0.191	7.00	8.92	77230	80870	98360	102990	1.60	8.0	20.0	
2	0.648	4	0.492	0.20	0.190	6.70	8.87	73850	77740	97800	102940	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Muhammad Shahbaz
Imperium Hospitality (Pvt.)Ltd. Lahore

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: IHPL/Steel/0150

SOM Lab

Ref: 5326(Page-1/4)

Dated: 18-11-2021

Dated: 19-11-2021

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	2.664	8	0.998	0.79	0.783	24.72	37.18	69010	69630	103790	104710	1.40	8.0	17.5	
2	2.713	8	1.007	0.79	0.797	25.15	39.01	70210	69590	108910	107950	1.20	8.0	15.0	
3	2.686	8	1.002	0.79	0.789	24.67	37.36	68870	68960	104300	104430	1.30	8.0	16.3	
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Witnessed By: Engr. Rafi Ullah, Engr. Ali Hasnain Khan (KingCrete)

BEND TEST:

8 Sample bend through 180 degrees Satisfactorily without any crack

8 Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Five Samples
Received and Tested

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

Muhammad Shahbaz
Imperium Hospitality (Pvt.)Ltd. Lahore

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: IHPL/Steel/0151
Dated: 18-11-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 5326(Page-2/4)
Dated: 19-11-2021
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	2.664	8	0.998	0.79	0.783	24.72	37.18	69010	69630	103790	104710	1.40	8.0	17.5	
2	2.713	8	1.007	0.79	0.797	25.15	39.01	70210	69590	108910	107950	1.20	8.0	15.0	
3	2.686	8	1.002	0.79	0.789	24.67	37.36	68870	68960	104300	104430	1.30	8.0	16.3	
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Witnessed By: Engr. Rafi Ullah, Engr. Ali Hasnain Khan (KingCrete)

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five Samples Received and Tested
# 8	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 Shahbaz
Imperium Hospitality (Pvt.)Ltd. Lahore

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: IHPL/Steel/0152

SOM Lab

Ref: 5326(Page-3/4)

Dated: 19-11-2021

Dated: 19-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

ASTM-A-615

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	2.734	8	1.011	0.79	0.803	24.63	38.94	68760	67640	108710	106950	1.30	8.0	16.3	
2	2.663	8	0.998	0.79	0.783	24.97	39.11	69720	70350	109190	110170	1.30	8.0	16.3	
3	2.684	8	1.002	0.79	0.789	26.91	36.82	75130	75230	102790	102920	1.20	8.0	15.0	
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Witnessed By: Engr. Rafi Ullah, Engr. Ali Hasnain Khan (KingCrete)

BEND TEST:

8 Sample bend through 180 degrees Satisfactorily without any crack

8 Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Five Samples
Received and Tested

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

Muhammad Shahbaz
Imperium Hospitality (Pvt.)Ltd. Lahore

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: IHPL/Steel/0153
Dated: 19-11-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 5326(Page-4/4)
Dated: 19-11-2021
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	1.504	6	0.750	0.44	0.442	12.92	19.85	64740	64450	99480	99030	1.60	8.0	20.0	
2	1.504	6	0.750	0.44	0.442	12.98	19.87	65050	64750	99590	99130	1.50	8.0	18.8	
3	1.507	6	0.751	0.44	0.443	12.97	19.93	65000	64560	99890	99220	1.60	8.0	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Witnessed By: Engr. Rafi Ullah, Engr. Ali Hasnain Khan (KingCrete)

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

Wasiq Akram

Test Performed By: Dr. /Engr. Asad Ghalani

Ittefaq Building Solutions,Lahore (Pvt)Ltd.(Master Textile Mills Ltd)(Ext. Of Spinning Unit M-7)

Client Reference: IBS/M-7/Steel/15-10-21

SOM Lab

Ref: 5327(Page-1/9)

Dated: 18-11-2021

Dated: 19-11-2021

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	2.664	8	0.998	0.79	0.783	24.72	37.18	69010	69630	103790	104710	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Witnessed By: Engr. Rafi Ullah,Engr.Ali Hasnain Khan (KingCrete)

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only One Sample Received and Tested
# 8	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

Wasiq Akram

Test Performed By: Dr. /Engr. Asad Ghalani

Ittefaq Building Solutions,Lahore (Pvt)Ltd.(Master Textile Mills Ltd)(Ext. Of Spinning Unit M-7)

Client Reference: IBS/M-7/Steel/15-11-21

SOM Lab

Ref: 5327(Page-2/9)

Dated: 18-11-2021

Dated: 19-11-2021

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	0.663	4	0.498	0.20	0.195	6.85	9.38	75540	77480	103420	106070	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Wasiq Akram

Test Performed By: Dr. /Engr. Asad Ghalani

Ittefaq Building Solutions,Lahore (Pvt)Ltd.(Master Textile Mills Ltd)(Ext. Of Spinning Unit M-7)

Client Reference: IBS/M-7/Steel/20-10-21

SOM Lab

Ref: 5327(Page-3/9)

Dated: 18-11-2021

Dated: 19-11-2021

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	1.503	6	0.750	0.44	0.442	14.81	20.51	74240	73910	102800	102340	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Wasiq Akram

Test Performed By:

Dr. /Engr. Asad Ghalani

Ittefaq Building Solutions,Lahore (Pvt)Ltd.(Master Textile Mills Ltd)(Ext. Of Spinning Unit M-7)

Client Reference: IBS/M-7/Steel/30-10-21

SOM Lab

Ref: 5327(Page-4/9)

Dated: 18-11-2021

Dated: 19-11-2021

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	1.515	6	0.753	0.44	0.445	14.85	20.59	74450	73610	103210	102050	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Wasiq Akram

Test Performed By: Dr. /Engr. Asad Ghalani

Ittefaq Building Solutions,Lahore (Pvt)Ltd.(Master Textile Mills Ltd)(Ext. Of Spinning Unit M-7)

Client Reference: IBS/M-7/Steel/07-10-21

SOM Lab

Ref: 5327(Page-5/9)

Dated: 18-11-2021

Dated: 19-11-2021

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	26.55	34.73	74140	76260	96960	99730	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Wasiq Akram

Test Performed By: Dr. /Engr. Asad Ghalani

Ittefaq Building Solutions,Lahore (Pvt)Ltd.(Master Textile Mills Ltd)(Ext. Of Spinning Unit M-7)

Client Reference: IBS/M-7/Steel/15-10-21

SOM Lab

Ref: 5327(Page-6/9)

Dated: 18-11-2021

Dated: 19-11-2021

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	2.660	8	0.998	0.79	0.782	27.93	35.98	77980	78770	100460	101490	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Wasiq Akram

Test Performed By: Dr. /Engr. Asad Ghalani

Ittefaq Building Solutions,Lahore (Pvt)Ltd.(Master Textile Mills Ltd)(Ext. Of Spinning Unit M-7)

Client Reference: IBS/M-7/Steel/26-10-21

SOM Lab

Ref: 5327(Page-7/9)

Dated: 18-11-2021

Dated: 19-11-2021

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	2.595	8	0.986	0.79	0.763	26.71	34.71	74560	77200	96900	100330	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Wasiq Akram

Test Performed By: Dr. /Engr. Asad Ghalani

Ittefaq Building Solutions,Lahore (Pvt)Ltd.(Master Textile Mills Ltd)(Ext. Of Spinning Unit M-7)

Client Reference: IBS/M-7/Steel/08-10-21

SOM Lab

Ref: 5327(Page-8/9)

Dated: 18-11-2021

Dated: 19-11-2021

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	3.396	9	1.127	1.00	0.998	36.09	47.76	79590	79750	105330	105540	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Wasiq Akram

Test Performed By: Dr. /Engr. Asad Ghalani

Ittefaq Building Solutions,Lahore (Pvt)Ltd.(Master Textile Mills Ltd)(Ext. Of Spinning Unit M-7)

Client Reference: IBS/M-7/Steel/11-11-21

SOM Lab

Ref: 5327(Page-9/9)

Dated: 18-11-2021

Dated: 19-11-2021

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	3.425	9	1.132	1.00	1.007	36.39	47.71	80260	79700	105220	104480	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Engr. Muhammad younas

Test Performed By: Dr. /Engr. Asad Ghalani

RE NesPak,QABP,(Infrastructure Dev.of Quaid-E-Azam Business Park on Motorway M-2,Distt.SKP)

Client Reference: 4163/11/MY/01/60

SOM Lab

Ref: 5328(Page-1/1)

Dated: 17-11-2021

Dated: 19-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Faizan 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	2.632	8	0.992	0.79	0.773	25.69	33.84	71720	73290	94480	96560	1.50	8.0	18.8	
2	2.608	8	0.988	0.79	0.766	28.29	35.49	78970	81450	99090	102200	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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