

Anas Majeed  
Sialkot Trade Center.Sialkot

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

Client Reference: Nil

SOM Lab

Ref: 6086 (Page-1/1)

Dated: 18-03-2022

Dated: 18-03-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.596	8	0.986	0.79	0.763	16.53	28.77	46160	47800	80310	83150	1.70	8.0	21.3	
2	1.524	6	0.755	0.44	0.448	9.40	14.44	47110	46270	72400	71110	1.80	8.0	22.5	
3	0.652	4	0.494	0.20	0.192	4.86	7.41	53620	55860	81720	85130	1.40	8.0	17.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six 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](http://www.uet-civil.edu.pk)

Engr. Naveed Sadiq  
RE Orbit Developers.Lahore.(The Springs Gulberg Lahore)

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

**Client Reference:** Nil

**SOM Lab**

**Ref:** 6087 (Page-1/1)

**Dated:** 18-03-2022

**Dated:** 18-03-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.801	8	1.024	0.79	0.823	23.87	35.47	66650	63980	99030	95060	1.30	8.0	16.3	
2	2.772	8	1.019	0.79	0.815	24.06	35.60	67160	65100	99380	96330	1.30	8.0	16.3	
3	1.492	6	0.747	0.44	0.438	13.58	19.01	68060	68370	95290	95730	1.20	8.0	15.0	
4	1.484	6	0.745	0.44	0.436	13.48	19.13	67550	68170	95910	96790	1.30	8.0	16.3	
5	0.634	4	0.487	0.20	0.186	6.34	8.87	69920	75180	97800	105160	1.00	8.0	12.5	
6	0.652	4	0.494	0.20	0.192	6.34	8.87	69920	72830	97800	101870	1.10	8.0	13.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Sub Divisional officer,

**Test Performed By:**

Dr. /Engr.

Asad Ali Gillani

BSD No.2 Multan.(200-Bedded Mother & Child Hospital At Ghalla Godam Multan)

**Client Reference:** 920

**SOM Lab**

**Ref:**

6088 (Page-1/1)

**Dated:** 05-01-2022

**Dated:**

18-03-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.665	8	0.998	0.79	0.783	25.94	34.56	72430	73080	96470	97340	1.40	8.0	17.5	
2	1.466	6	0.741	0.44	0.431	15.01	19.24	75210	76780	96420	98430	1.20	8.0	15.0	
3	0.656	4	0.496	0.20	0.193	6.37	8.92	70260	72810	98360	101930	1.20	8.0	15.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six 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](http://www.uet-civil.edu.pk)

Sub Divisional officer,  
 BSD No.20 Lahore.(Const Of Women Dev Office Complex Sabzazar Lahore)

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

**Client Reference:** 143/20Th

**SOM Lab**

**Ref:** 6089 (Page-1/1)

**Dated:** 14-03-2022

**Dated:** 18-03-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.633	8	0.993	0.79	0.774	27.73	34.51	77410	79010	96330	98320	1.40	8.0	17.5	
2	2.637	8	0.993	0.79	0.775	28.70	34.78	80110	81660	97100	98980	1.40	8.0	17.5	
3	1.505	6	0.750	0.44	0.442	15.11	18.86	75720	75380	94530	94100	1.40	8.0	17.5	
4	1.495	6	0.748	0.44	0.439	15.36	18.78	77000	77180	94120	94330	1.50	8.0	18.8	
5	0.654	4	0.494	0.20	0.192	7.00	8.92	77230	80440	98360	102460	1.00	8.0	12.5	
6	0.652	4	0.494	0.20	0.192	7.08	9.02	78130	81380	99480	103630	1.10	8.0	13.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Shahid Masood  
G.H.S Construction Co.Lahore (TCF School Samundari & Chiniot.)

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

Client Reference: Nil

SOM Lab

Ref: 6090 (Page-1/1)

Dated: 18-03-2022

Dated: 18-03-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.637	8	0.993	0.79	0.775	28.39	36.80	79260	80790	102730	104720	1.30	8.0	16.3	
2	1.473	6	0.743	0.44	0.433	16.62	20.59	83290	84630	103210	104880	1.00	8.0	12.5	
3	0.679	4	0.505	0.20	0.200	8.15	9.99	89930	89930	110160	110160	1.20	8.0	15.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six 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](http://www.uet-civil.edu.pk)

Downtown Mall & Residences.  
Gulberg III Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 6091 (Page-1/1)

Dated: 18-03-2022

Dated: 18-03-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.681	8	1.002	0.79	0.788	27.29	35.29	76180	76380	98520	98770	1.30	8.0	16.3	
2	2.673	8	1.000	0.79	0.786	27.27	35.19	76130	76510	98240	98740	1.30	8.0	16.3	
3	1.482	6	0.745	0.44	0.436	12.59	18.14	63100	63680	90950	91780	1.40	8.0	17.5	
4	1.488	6	0.746	0.44	0.437	12.41	18.11	62190	62610	90800	91420	1.40	8.0	17.5	
5	0.662	4	0.498	0.20	0.195	6.14	8.33	67670	69410	91840	94190	1.20	8.0	15.0	
6	0.661	4	0.497	0.20	0.194	6.12	8.31	67450	69530	91610	94450	1.30	8.0	16.3	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Six Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Madina Construction  
China Chowk,Lahore

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

Client Reference: Nil

SOM Lab

Ref: 6092 (Page-1/1)

Dated: 08-03-2022

Dated: 18-03-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.443	8	0.956	0.79	0.718	17.25	27.37	48150	52980	76410	84070	1.80	8.0	22.5	
2	1.453	6	0.737	0.44	0.427	14.17	18.93	71020	73190	94880	97770	1.20	8.0	15.0	
3	0.598	4	0.473	0.20	0.176	5.20	7.97	57330	65150	87910	99890	1.10	8.0	13.8	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Zia Afzal

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

Sr. Manager Projects Banu Mukhtar Contracting (Pvt.)Ltd Lahore.(Styler International Pvt.Ltd)

Client Reference: Styler/SJ/STEEL/01

SOM Lab

Ref: 6093 (Page-1/1)

Dated: 17-03-2022

Dated: 18-03-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.509	6	0.751	0.44	0.443	15.72	20.03	78790	78260	100400	99720	1.30	8.0	16.3	
2	1.489	6	0.747	0.44	0.438	15.72	20.05	78790	79150	100500	100960	1.20	8.0	15.0	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)



Sub Divisional officer,

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

HSD No.1 Gujrat.(Const Of Service More Flyover To Connect With Industrial Area-II Link Rd Gujrat)

**Client Reference:** 74/GTI

**SOM Lab**

**Ref:** 6094 (Page-1/1)

**Dated:** 14-03-2022

**Dated:** 18-03-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.644	8	0.995	0.79	0.777	25.43	35.17	71000	72190	98180	99820	1.40	8.0	17.5	
2	2.642	8	0.994	0.79	0.776	25.33	34.83	70720	72000	97240	99000	1.50	8.0	18.8	
3	0.717	4	0.518	0.20	0.211	7.16	9.76	78910	74800	107580	101970	1.30	8.0	16.3	
4	0.723	4	0.520	0.20	0.212	7.14	9.76	78690	74230	107580	101490	1.20	8.0	15.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Muhammad Shahbaz  
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0182  
Dated: 17-03-2022  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 6096 (Page-1/5)  
Dated: 18-03-2022  
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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.493	6	0.748	0.44	0.439	14.75	20.49	73940	74100	102700	102940	1.40	8.0	17.5	
2	1.492	6	0.747	0.44	0.438	14.60	20.31	73170	73500	101780	102250	1.50	8.0	18.8	
3	1.502	6	0.749	0.44	0.441	14.70	20.51	73680	73510	102800	102570	1.50	8.0	18.8	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Muhammad Shahbaz  
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0183  
Dated: 17-03-2022  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 6096 (Page-2/5)  
Dated: 18-03-2022  
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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.478	6	0.743	0.44	0.434	14.37	19.64	72050	73040	98460	99820	1.30	8.0	16.3	
2	1.612	6	0.777	0.44	0.474	16.06	22.14	80480	74700	110980	103020	1.50	8.0	18.8	
3	1.613	6	0.777	0.44	0.474	15.95	22.14	79970	74230	110980	103020	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Muhammad Shahbaz  
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0179  
Dated: 16-03-2022  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 6096 (Page-3/5)  
Dated: 18-03-2022  
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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.484	6	0.745	0.44	0.436	12.66	19.62	63460	64040	98360	99260	1.40	8.0	17.5	
2	1.491	6	0.747	0.44	0.438	12.79	19.52	64130	64420	97850	98290	1.50	8.0	18.8	
3	1.456	6	0.738	0.44	0.428	13.30	19.08	66680	68550	95650	98330	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Muhammad Shahbaz  
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0180  
Dated: 16-03-2022  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 6096 (Page-4/5)  
Dated: 18-03-2022  
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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.671	4	0.501	0.20	0.197	6.39	8.89	70480	71560	98020	99510	1.10	8.0	13.8	
2	0.667	4	0.500	0.20	0.196	6.32	8.74	69700	71120	96340	98300	1.20	8.0	15.0	
3	0.656	4	0.496	0.20	0.193	6.68	9.35	73630	76300	103080	106820	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Five 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](http://www.uet-civil.edu.pk)

Muhammad Shahbaz  
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0181  
Dated: 16-03-2022  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 6096 (Page-5/5)  
Dated: 18-03-2022  
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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.672	4	0.501	0.20	0.197	6.34	9.25	69920	70990	101960	103510	1.00	8.0	12.5	
2	0.659	4	0.497	0.20	0.194	6.34	9.28	69920	72080	102290	105460	1.00	8.0	12.5	
3	0.658	4	0.496	0.20	0.193	6.34	9.12	69920	72460	100610	104260	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Five 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](http://www.uet-civil.edu.pk)

**Test Performed by:** Dr. Asad Ali Gillani

Sohail Afzal  
Sr. Project Manager,  
Izhar Construction (Pvt) Ltd Lahore

**Client Reference No.:** ICPL/CONST-DML/22/76

Dated: 17-03-2022

**SOM Lab Ref:** CED/SOM/6095

Dated: 18-03-2022

**Test:** Tensile Test

**Sample Type:** Anchor Bolt (Threaded)

**Test Specification:** ASTM-F-1554

**Gauge Length:** 2 Inches

### Tension Test Results

Sr. No.	Diameter	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Elongation
	(mm)	(mm <sup>2</sup> )	KN	KN	(Mpa)	(Mpa)	%
1	30	706.85	350.0	500.0	495.15	707.36	25.0
2	24	452.38	154.0	218.2	340.42	482.33	15.0

**Note:** Please always confirm the results on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)