

Engr. Mian Mubashar Rafiq

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

PM Union Developers.(Const. Of Union Luxury Apartments Etihad Town Lahore)

Client Reference: UA/SO/2021/015

SOM Lab

5678 (Page-

Ref:

1/1)

Dated: 14-01-2022

Dated:

18-01-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Afco 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	1.414	6	0.728	0.44	0.416	15.65	19.88	78430	82960	99640	105380	1.10	8.0	13.8	
2	1.425	6	0.730	0.44	0.419	14.78	18.60	74090	77800	93250	97920	1.00	8.0	12.5	
3	1.455	6	0.738	0.44	0.428	13.15	17.94	65910	67760	89930	92450	1.00	8.0	12.5	
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BEND TEST:

# 6	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	
# 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

Basharat Munir
PM DUPAK Properties (Pvt.)Ltd

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

Client Reference: DUPAK/DVA/058

SOM Lab 5679 (Page-

Ref: 1/1)

Dated: 17-01-2022

Dated: 18-01-2022

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	2.605	8	0.988	0.79	0.766	25.35	33.51	70780	72990	93540	96470	1.40	8.0	17.5	
2	2.591	8	0.984	0.79	0.761	24.21	32.87	67590	70170	91780	95280	1.60	8.0	20.0	
3	1.480	6	0.744	0.44	0.435	14.85	21.05	74450	75300	105510	106720	1.00	8.0	12.5	
4	1.464	6	0.740	0.44	0.430	14.19	20.16	71130	72780	101070	103420	1.00	8.0	12.5	
5	0.718	4	0.518	0.20	0.211	6.37	9.09	70260	66600	100270	95040	1.00	8.0	12.5	
6	0.696	4	0.511	0.20	0.205	6.68	9.68	73630	71830	106790	104180	1.00	8.0	12.5	
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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

Yasir Ahmad
GM-Works FF Steel Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab 5680 (Page-

Ref: 1/1)

Dated: 11-01-2022

Dated: 18-01-2022

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	1.039	5	0.623	0.31	0.305	10.16	13.97	72310	73490	99360	100980	1.30	8.0	16.3	
2	1.038	5	0.623	0.31	0.305	10.24	14.09	72890	74080	100230	101870	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Irfan Siddique

Test Performed By:

Dr. /Engr.

Wasim Abbas

Building Standards Lahore.(Const. Of Residential Building at Zafar Ali Rd,Lahore)

Client Reference: GT/LTR/220118-008

SOM Lab

5681(Page-

Ref:

1/1)

Dated: 18-01-2022

Dated:

18-01-2022

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	2.549	8	0.977	0.79	0.749	23.60	30.75	65880	69490	85860	90560	1.50	8.0	18.8	
2	2.553	8	0.977	0.79	0.750	23.50	30.55	65600	69100	85290	89840	1.30	8.0	16.3	
3	2.557	8	0.978	0.79	0.751	23.77	31.06	66370	69810	86710	91220	1.50	8.0	18.8	
4	1.525	6	0.755	0.44	0.448	18.67	21.76	93610	91940	109090	107140	1.00	8.0	12.5	
5	1.526	6	0.755	0.44	0.448	18.42	21.56	92330	90680	108070	106140	1.00	8.0	12.5	
6	1.526	6	0.755	0.44	0.448	18.57	21.71	93100	91430	108830	106890	1.10	8.0	13.8	
7	0.651	4	0.493	0.20	0.191	7.16	8.72	78910	82630	96110	100640	0.90	8.0	11.3	
8	0.652	4	0.494	0.20	0.192	6.44	8.46	71040	74000	93300	97190	1.00	8.0	12.5	
9	0.651	4	0.493	0.20	0.191	6.65	8.69	73290	76750	95770	100290	0.90	8.0	11.3	
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BEND TEST:

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

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

Engr. Hasan Nawaz

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CM Zameen Quadrangle.(Const. Of Zameen Quadrangle at Plot No.49,Gulberg-V Lahore)

Client Reference: ZD/ZQ/GSW/012

SOM Lab 5682 (Page-

Ref: 1/1)

Dated: 12-01-2022

Dated: 18-01-2021

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.693	4	0.510	0.20	0.204	7.21	9.19	79470	77920	101390	99410	1.00	8.0	12.5	
2	0.679	4	0.505	0.20	0.200	6.95	8.97	76660	76660	98920	98920	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

Engr. Javed Asad

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

CRE Jalapur Irrigation Project Consultants.(Hydraulic Structures Of Jalalpur Canal Irrigation Project)

Client Reference: JIPIC/TECH/CRE/348

SOM Lab

5684 (Page-

Ref:

1/1)

Dated: 17-01-2022

Dated:

18-01-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Pak 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	1.015	5	0.616	0.31	0.298	10.11	13.37	71940	74840	95150	98980	1.20	8.0	15.0	
2	1.046	5	0.625	0.31	0.307	10.52	13.73	74840	75580	97690	98640	1.10	8.0	13.8	
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BEND TEST:

# 5	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,
 BSD No.1 R.Y.Khan.(Const.Of Bachelor Hostels R.Y.Khan)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab Ref: 5685 (Page-1/2)

Dated: 18-01-2022

Dated: 18-01-2022

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	2.386	8	0.945	0.79	0.701	16.23	24.57	45310	51060	68590	77290	1.80	8.0	22.5	
2	1.518	6	0.754	0.44	0.446	11.67	17.15	58510	57720	85940	84790	1.20	8.0	15.0	
3	0.570	4	0.462	0.20	0.168	4.51	5.88	49690	59150	64860	77220	1.40	8.0	17.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

 Only Six Samples
 Received and Tested

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

Sub Divisional officer,
 BSD Khanpur.(Degree College For Boys Nawankot Tehsil Khanpur)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab 5685 (Page-

Ref: 2/2)

Dated: 18-01-2022

Dated: 18-01-2022

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	2.398	8	0.947	0.79	0.705	16.48	24.72	46020	51570	69010	77330	1.90	8.0	23.8	
2	1.523	6	0.755	0.44	0.448	11.42	17.07	57230	56210	85590	84060	1.40	8.0	17.5	
3	0.567	4	0.461	0.20	0.167	4.54	5.91	50030	59910	65200	78080	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	
# 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,
 BSD No.2 Lhr.(Extension Of Government Hospital Samanabad Distt Lahore)

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

Client Reference: 938/2nd

SOM Lab 5686 (Page-

Ref: 1/1)

Dated: 07-12-2021

Dated: 18-01-2022

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	2.674	8	1.000	0.79	0.786	20.25	30.68	56550	56840	85660	86100	1.80	8.0	22.5	
2	2.568	8	0.980	0.79	0.755	19.78	30.09	55210	57770	84010	87900	2.00	8.0	25.0	
3	1.510	6	0.752	0.44	0.444	11.44	17.69	57330	56810	88650	87850	1.60	8.0	20.0	
4	1.485	6	0.745	0.44	0.436	11.79	17.40	59120	59660	87220	88020	1.50	8.0	18.8	
5	0.649	4	0.493	0.20	0.191	6.65	10.27	73290	76750	113200	118530	0.90	8.0	11.3	
6	0.653	4	0.494	0.20	0.192	6.70	10.27	73850	76930	113200	117910	1.00	8.0	12.5	
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BEND TEST:

Sr # (1-2) Sample bend through 180 degrees Satisfactorily without any crack

Sr # (3-4) Sample bend through 180 degrees Satisfactorily without any crack

Sr # (5-6) Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve 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. S.Asad Ali Gillani

Client Reference: IHPL/Steel/0166

SOM Lab 5687 (Page-

Ref: 1/1)

Dated: 17-01-2022

Dated: 18-01-2022

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	1.599	6	0.774	0.44	0.470	15.24	19.72	76390	71510	98870	92560	1.30	8.0	16.3	
2	1.479	6	0.744	0.44	0.435	15.65	19.75	78430	79330	98970	100110	1.30	8.0	16.3	
3	1.469	6	0.742	0.44	0.432	13.99	18.25	70100	71400	91460	93160	1.40	8.0	17.5	
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Witnessed By: Engr.Rafi Ullah (IHPL)

BEND TEST:

6 Sample bend through 180 degrees Satisfactorily without any crack

6 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. S.Asad Ali Gillani

Client Reference: IHPL/Steel/0165

SOM Lab 5688 (Page-

Ref: 1/1)

Dated: 17-01-2022

Dated: 18-01-2022

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	0.685	4	0.506	0.20	0.201	6.85	9.12	75540	75170	100610	100110	1.10	8.0	13.8	
2	0.705	4	0.513	0.20	0.207	7.16	9.53	78910	76240	105100	101550	1.20	8.0	15.0	
3	0.703	4	0.513	0.20	0.207	7.08	9.40	78130	75480	103640	100140	1.20	8.0	15.0	
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Witnessed By: Engr.Rafi Ullah (IHPL)

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD No.21 Lhr.(Const Of Girls School Building At Sadhoki Lahore In NA-135 Distt. Lahore)

Client Reference: 2163/21

SOM Lab

5689 (Page-

Ref:

1/1)

Dated: 18-12-2021

Dated:

18-01-2022

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	1.476	6	0.743	0.44	0.434	15.31	19.62	76750	77810	98360	99720	1.00	8.0	12.5	
2	1.465	6	0.741	0.44	0.431	15.55	19.83	77920	79550	99380	101460	1.00	8.0	12.5	
3	0.663	4	0.498	0.20	0.195	6.12	8.38	67450	69180	92400	94770	1.20	8.0	15.0	
4	0.666	4	0.500	0.20	0.196	6.12	8.38	67450	68820	92400	94290	1.10	8.0	13.8	
5	0.379	3	0.376	0.11	0.111	3.77	5.30	75620	74940	106280	105320	0.90	8.0	11.3	
6	0.361	3	0.367	0.11	0.106	3.26	4.89	65400	67870	98100	101810	0.90	8.0	11.3	
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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

Ajmal Kaleem Ullah

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE AZEA Sialkot Residency.(Const. Of Flyover at Shahabpura Chowk Defence Rd Sialkot)

Client Reference: AZEA/SLK/SF/22/05

SOM Lab

5690 (Page-

Ref:

1/1)

Dated: 12-01-2022

Dated:

18-01-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Islamabad 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	1.473	6	0.743	0.44	0.433	10.40	16.38	52120	52960	82110	83440	1.50	8.0	18.8	
2	1.471	6	0.742	0.44	0.432	10.30	16.38	51610	52560	82110	83630	1.50	8.0	18.8	
3	0.653	4	0.494	0.20	0.192	4.91	7.26	54180	56440	80040	83370	1.60	8.0	20.0	
4	0.647	4	0.492	0.20	0.190	4.91	7.24	54180	57040	79810	84010	1.60	8.0	20.0	
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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

Premier Developer & Builders

Test Performed By:

Dr. /Engr. Asad Ali Gillani

PM Lyallpur Galleria Head Office.(Lyallpur Galleria-II Near Four Season Colony Samundri Rd,FSD)

Client Reference: LG-II/005

SOM Lab 5691 (Page-

Ref: 1/1)

Dated: 14-01-2022

Dated: 18-01-2022

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	24.79	33.20	69210	71290	92690	95470	1.60	8.0	20.0	
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BEND TEST:

# 8	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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0170

SOM Lab 5765 (Page-

Ref: 1/5)

Dated: 24-01-2022

Dated: 27-01-2022

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	1.465	6	0.741	0.44	0.431	13.86	20.31	69490	70940	101780	103910	1.10	8.0	13.8	
2	1.462	6	0.740	0.44	0.430	14.12	20.49	70770	72410	102700	105090	1.20	8.0	15.0	
3	1.460	6	0.739	0.44	0.429	14.02	20.34	70260	72060	101940	104550	1.20	8.0	15.0	
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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

6 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. S.Asad Ali Gillani

Client Reference: IHPL/Steel/0174

SOM Lab 5765 (Page-

Ref: 2/5)

Dated: 26-01-2022

Dated: 27-01-2022

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	1.542	6	0.759	0.44	0.453	15.24	19.62	76390	74200	98360	95540	1.20	8.0	15.0	
2	1.523	6	0.755	0.44	0.448	15.24	19.64	76390	75020	98460	96700	1.30	8.0	16.3	
3	1.488	6	0.746	0.44	0.437	14.50	18.96	72660	73160	95040	95690	1.20	8.0	15.0	
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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	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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0171

SOM Lab 5765 (Page-

Ref: 3/5)

Dated: 24-01-2022

Dated: 27-01-2022

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	1.505	6	0.750	0.44	0.442	14.65	21.25	73430	73090	106530	106050	1.10	8.0	13.8	
2	1.501	6	0.749	0.44	0.441	14.68	21.30	73580	73410	106790	106550	1.20	8.0	15.0	
3	1.519	6	0.754	0.44	0.446	14.78	21.36	74090	73090	107040	105600	1.10	8.0	13.8	
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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

6 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. S.Asad Ali Gillani

Client Reference: IHPL/Steel/0173

SOM Lab 5765 (Page-

Ref: 4/5)

Dated: 26-01-2022

Dated: 27-01-2022

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	0.663	4	0.498	0.20	0.195	6.42	8.38	70820	72640	92400	94770	1.10	8.0	13.8	
2	0.656	4	0.496	0.20	0.193	6.34	8.33	69920	72460	91840	95170	1.00	8.0	12.5	
3	0.665	4	0.498	0.20	0.195	6.14	8.38	67670	69410	92400	94770	1.20	8.0	15.0	
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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

4 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. S.Asad Ali Gillani

Client Reference: IHPL/Steel/0169

SOM Lab 5765 (Page-

Ref: 5/5)

Dated: 24-01-2022

Dated: 27-01-2022

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	0.670	4	0.501	0.20	0.197	7.21	9.55	79470	80690	105330	106930	1.00	8.0	12.5	
2	0.673	4	0.502	0.20	0.198	7.26	9.57	80040	80850	105550	106620	1.00	8.0	12.5	
3	0.672	4	0.501	0.20	0.197	6.65	8.33	73290	74410	91840	93240	1.20	8.0	15.0	
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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	Note:- 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

Test Performed by: Dr. S. Asad Ali Gillani

Khan Muhammad

RE M/S Umar Munshi Associates,

Islamabad.

Project: Construction Of Grade Separation Facility At Intersection Of 7th Avenue With Sri Nagar Highway And Underpass Along Khayaban-e-Suharwardy Islamabad.

Reference No.: RE/7th Av-IBD/2021/43

Dated: 17-01-2022

SOM Lab Ref: CED/SOM/5683(Page-1/1)

Dated: 18-01-2022

Test: Tensile Test, Elongation at Break, Tear Test, Hardness Test & Comp. Set Test

Sample Type: Elastomeric Bearing Pad (Afleen Gendex (Turkey))

TENSILE STRENGTH AND ELONGATION TEST. (AS PER ASTM-D-412)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tensile Strength (Mpa)	Tensile Strength (kg/cm ²)	Elongation at Break(%)
1	6.8 x 3.7	0.76	30.20	307.94	500.0
2	6.8 x 3.7	0.78	31.00	316.10	520.0

TEAR STRENGTH (AS PER ASTM-D-624)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tear Strength (N/mm)
1	14.7 x 4.0	0.55	137.5
2	14.6 x 4.0	0.50	125.0

- COMPRESSION SET TEST (AS PER ASTM-D-395)

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	3.70	3.62	2.16

- HARDNESS TEST (AS PER ASTM-D-2240)

S. No	Sample Type	Hardness (Shore A)
1	Elastomeric Bearing Pad	61.00

