

MG Construction and Services (Pvt)
Ltd.
Islamabad

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: nil

SOM Lab Ref: 3826(Page-1/1)

Dated: 10-02-2021

Dated: 10-02-2021

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	1.522	6	0.754	0.44	0.447	15.31	19.44	76750	75540	97440	95910	1.10	8.0	13.8	
2	1.522	6	0.754	0.44	0.447	15.36	19.54	77000	75800	97950	96420	1.20	8.0	15.0	
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BEND TEST:

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

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

Muhammad Saleem
Project Director (North-III) PAEC, WASO

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

Client Reference: PD/(CH)WASO/C-2/CAB/103/19

SOM Lab 3827(Page-

Ref: 1/1)

Dated: 02-02-2021

Dated: 10-02-2021

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	2.638	8	0.993	0.79	0.775	26.96	35.32	75270	76730	98610	100520	1.30	8.0	16.3	
2	2.641	8	0.994	0.79	0.776	26.55	24.72	74140	75470	69010	70260	1.20	8.0	15.0	
3	1.548	6	0.761	0.44	0.455	16.46	21.10	82520	79800	105770	102280	1.00	8.0	12.5	
4	1.541	6	0.759	0.44	0.453	15.70	20.90	78690	76430	104750	101740	1.20	8.0	15.0	
5	0.570	4	0.462	0.20	0.168	5.76	8.12	63510	75610	89590	106660	1.00	8.0	12.5	
6	0.573	4	0.462	0.20	0.168	5.71	8.07	62950	74940	89030	105990	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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

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

Client Reference: IHPL/Steel/056

SOM Lab 3829(Page-

Ref: 1/1)

Dated: 03-02-2021

Dated: 10-02-2021

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	1.505	6	0.750	0.44	0.442	13.27	19.72	66530	66230	98870	98420	1.20	8.0	15.0	
2	1.524	6	0.755	0.44	0.448	13.12	19.78	65760	64590	99130	97360	1.30	8.0	16.3	
3	1.512	6	0.752	0.44	0.444	13.05	19.72	65400	64810	98870	97980	1.40	8.0	17.5	
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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/055

SOM Lab 3830(Page-

Ref: 1/1)

Dated: 03-02-2021

Dated: 10-02-2021

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	0.669	4	0.501	0.20	0.197	7.19	9.86	79250	80460	108700	110360	1.00	8.0	12.5	
2	0.658	4	0.496	0.20	0.193	6.29	9.23	69360	71870	101730	105420	1.10	8.0	13.8	
3	0.658	4	0.496	0.20	0.193	7.08	9.73	78130	80960	107350	111240	1.00	8.0	12.5	
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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

Zakir Ali (Vice President)

Test Performed By: Dr. /Engr. Nauman Khurram

Masjid Committee, Usmania Jamia Masjid Sheikha salim, Link Road, Model Town, Lahore (Regd. 3117)

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Client Reference: nil

SOM Lab Ref: 1/1)

Dated: 09-02-2021

Dated: 10-02-2020

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	2.458	8	0.959	0.79	0.722	18.32	27.29	51140	55960	76180	83360	1.70	8.0	21.3	
2	2.455	8	0.958	0.79	0.721	17.55	26.83	49010	53700	74900	82070	2.00	8.0	25.0	
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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

Test Performed by: .S. Asad Ali Gillani

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd
Lahore'

Client Reference No.: IHP/Steel/053

Dated: 01-02-2021

SOM Lab Ref: CED/SOM/3828 (Page 1/1)

Dated: 10-02-2021

Test Type: Tensile Test

Sample Type: Steel Thread Rod - 5/8"

Tensile Test Results

Sample No.	Sample Type	Tested Diameter of Bolt (mm)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	% Elongation
1	Steel Thread Rod - 5/8"	15.2	141.0	777.4	6.25
2	Bend Test Steel Thread Rod - 5/8"	Sample bend through 180 degrees Satisfactorily without any crack			

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

Test Performed by: .S. Asad Ali Gillani

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd
Lahore'

Client Reference No.: IHP/Steel/053

Dated: 01-02-2021

SOM Lab Ref: CED/SOM/3828 (Page 1/1)

Dated: 10-02-2021

Test Type: Tensile Test

Sample Type: Steel Thread Rod - 5/8"

Tensile Test Results

Sample No.	Sample Type	Tested Diameter of Bolt (mm)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	% Elongation
1	Steel Thread Rod - 5/8"	15.2	141.0	777.4	6.25

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

Test Performed by: .S. Asad Ali Gillani

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd
Lahore'

Client Reference No.: IHP/Steel/054

Dated: 01-02-2021

SOM Lab Ref: CED/SOM/3831 (Page 1/1)

Dated: 10-02-2021

Test Type: Tensile Test

Sample Type: Steel Thread Rod - 5/8"

Tensile Test Results

Sample No.	Sample Type	Tested Diameter of Bolt (mm)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	% Elongation
1	Steel Thread Rod - 5/8"	12.5	90.5	737.4	5.0
2	Steel Thread Rod - 5/8"	12.5	90.0	733.4	5.0
3	Bend Test Steel Thread Rod - 5/8"	Sample bend through 180 degrees Satisfactorily without any crack			

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

Test Performed by: Dr. Asad Ali Gillani

General Manager
United Wire Products Co.
G. T. Road Salamatpura Bus Stop.Lahore

Client Reference No.: Nil

Dated: 09-03-2021

SOM Lab Ref: CED/SOM/3996 (Page 1/2)

Dated: 09-03-2021

Test Type: Tensile Test

Sample Type: Hot Dip Wire (SWG-16)

Tensile Test Results

Sample No.	Sample Type	Sample Dia (mm)	Ultimate Load (kN)	Ultimate Tensile Strength (MPa)	Ultimate Tensile Stress (ksi)
1	Hot Dip Wire SWG-16	1.6	1.35	671	97.38

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

Test Performed by: Dr. Asad Ali Gillani

General Manager
United Wire Products Co.
G. T. Road Salamatpura Bus Stop.Lahore

Client Reference No.: Nil

Dated: 09-03-2021

SOM Lab Ref: CED/SOM/3996 (Page 2/2)

Dated: 09-03-2021

Test Type: Tensile Test

Sample Type: Hot Dip Wire (SWG-24)

Tensile Test Results

Sample No.	Sample Type	Sample Dia (mm)	Ultimate Load (kN)	Ultimate Tensile Strength (MPa)	Ultimate Tensile Stress (ksi)
1	Hot Dip Wire SWG-24	0.55	.76	3198	463.96

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