

Umar Nisar

Project Engineer, SKY High Builder's, IZMIR SOCIETY LAHORE (Rana Associates)

Test Performed By: Dr. /Engr.

S. Asad Ali Gillani

Client Reference: IZMIR/001

Dated: 24-12-2020

Test: Tension Test & Bend Test

Guage Length: 8 inch

Test Specification:

Sample Type:

SOM Lab 3499(Page-Ref: 1/1)

Dated: 24-12-2020

ASTM-A-615

Deformed Bar(AFCO Steel Ind.)

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	2.558	8	0.979	0.79	0.752	28.05	36.95	78320	82280	103160	108370	1.10	8.0	13.8	
2	2.623	8	0.991	0.79	0.771	25.35	35.93	70780	72520	100320	102790	1.40	8.0	17.5	
3	1.471	6	0.742	0.44	0.432	15.55	21.51	77920	79360	107810	109810	1.30	8.0	16.3	
4	1.497	6	0.748	0.44	0.440	15.70	19.03	78690	78690	95400	95400	1.30	8.0	16.3	
5	1.050	5	0.627	0.31	0.309	8.74	12.84	62150	62350	91380	91670	1.60	8.0	20.0	
6	1.056	5	0.628	0.31	0.310	8.63	12.71	61430	61430	90440	90440	1.70	8.0	21.3	
7	0.675	4	0.502	0.20	0.198	7.51	9.09	82850	83680	100270	101280	1.00	8.0	12.5	
8	0.679	4	0.505	0.20	0.200	7.21	8.94	79470	79470	98580	98580	1.20	8.0	15.0	
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BEND TEST:

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

Muhammad Saleem
 GM, Professional Construction Services (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: PCS/2020/Eng-104

SOM Lab
 Ref: 3500(Page-1/1)

Dated: 23-12-2020

Dated: 24-12-2020

Test: Tension 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	0.645	4	0.492	0.20	0.190	6.27	7.87	69130	72770	86780	91350	1.00	8.0	12.5	
2	0.646	4	0.492	0.20	0.190	6.14	7.82	67670	71230	86220	90760	0.90	8.0	11.3	
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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

Muhammad Saleem
 GM, Professional Construction Services (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: PCS/2020/Eng-105

SOM Lab
 Ref: 3500(Page-2/2)

Dated: 23-12-2020

Dated: 24-12-2020

Test: Tension 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	1.524	6	0.755	0.44	0.448	12.47	19.64	62490	61380	98460	96700	1.60	8.0	20.0	
2	1.523	6	0.755	0.44	0.448	12.54	19.67	62850	61730	98610	96850	1.70	8.0	21.3	
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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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: IHPL/Steel/022

SOM Lab

Ref: 3501(Page-1/1)

Dated: 2212-2020

Dated: 24-12-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.599	8	0.986	0.79	0.764	27.42	36.29	76550	79160	101310	104760	1.30	8.0	16.3	
2	2.586	8	0.984	0.79	0.760	27.68	36.92	77270	80320	103080	107140	1.10	8.0	13.8	
3	2.585	8	0.984	0.79	0.760	27.95	37.28	78030	81110	104070	108180	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

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. Nauman Khurram

Client Reference: IHPL/Steel/021
Dated: 22-12-2020

SOM Lab
Ref: 3502(Page-1/1)
Dated: 24-12-2020

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	1.541	6	0.759	0.44	0.453	13.66	19.93	68470	66500	99890	97030	1.40	8.0	17.5	
2	1.527	6	0.756	0.44	0.449	13.40	19.72	67190	65850	98870	96890	1.50	8.0	18.8	
3	1.481	6	0.744	0.44	0.435	12.97	19.39	65000	65740	97180	98300	1.20	8.0	15.0	
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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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: IHPL/Steel/019

SOM Lab

Ref: 3503(Page-1/1)

Dated: 22-12-2020

Dated: 24-12-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	1.483	6	0.745	0.44	0.436	15.92	20.92	79810	80540	104850	105810	1.20	8.0	15.0	
2	1.481	6	0.744	0.44	0.435	16.43	21.20	82370	83310	106280	107500	1.10	8.0	13.8	
3	1.482	6	0.745	0.44	0.436	15.82	20.76	79300	80030	104080	105040	1.30	8.0	16.3	
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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

Sheikh Ghulam Farid

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Resident Engineer, ACE, (ARTS) Establishment of Danish School at Taunsa Distt. D. G. Khan

Client Reference: ARTS/DST/ZKHB/2020/110

SOM Lab

Ref: 3504(Page-1/1)

Dated: 04-12-2020

Dated: 24-12-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	1.010	5	0.615	0.31	0.297	9.84	13.58	69990	73050	96600	100830	1.20	8.0	15.0	
2	0.997	5	0.611	0.31	0.293	9.73	13.46	69260	73280	95730	101280	1.10	8.0	13.8	
3	0.655	4	0.494	0.20	0.192	6.47	9.02	71380	74360	99480	103630	1.20	8.0	15.0	
4	0.653	4	0.494	0.20	0.192	6.44	8.99	71040	74000	99150	103280	1.30	8.0	16.3	
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BEND TEST:

# 5	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