

Abid Sultan

Admin Manager, Variant, 25-t-Gulberg- 2, Lahore

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Client Reference: VA/23/114

Dated: 10-04-2019

Test: Tension & Bend Test

Guage Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

ASTM-A-615

Deformed Bar

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1/3)

10-04-2019

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	1.480	6	0.744	0.44	0.435	14.14	17.94	70870	71690	89930	90960	1.20	8.0	15.0	
2	0.663	4	0.498	0.20	0.195	7.00	8.56	77230	79210	94420	96850	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
# 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

Abid Sultan

Admin Manager, Variant, 25-t-Gulberg- 2, Lahore

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Client Reference: VA/23/115

Dated: 10-04-2019

Test: Tension & Bend Test

Guage Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

ASTM-A-615

Deformed Bar

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2/3)

10-04-2019

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	15.09	19.54	75620	76320	97950	98850	1.60	8.0	20.0	
2	0.653	4	0.494	0.20	0.192	6.27	8.33	69130	72010	91840	95670	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
# 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

Abid Sultan

Admin Manager, Variant, 25-t-Gulberg- 2, Lahore

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Client Reference: VA/23/116

Dated: 10-04-2019

Test: Tension & Bend Test

Guage Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

ASTM-A-615

Deformed Bar

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3/3)

10-04-2019

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	1.498	6	0.748	0.44	0.440	14.83	19.27	74350	74350	96570	96570	1.50	8.0	18.8	
2	1.492	6	0.747	0.44	0.438	15.72	20.61	78790	79150	103310	103790	1.30	8.0	16.3	
3	1.070	5	0.632	0.31	0.314	11.47	14.34	81590	80550	102040	100740	1.30	8.0	16.3	
4	1.054	5	0.628	0.31	0.310	10.35	12.81	73610	73610	91160	91160	1.10	8.0	13.8	
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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

Malil Muhammad Adil
Director, Malik Steel Depot, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: nil

Dated: 10-04-2019

Test: Tension Test

Test Specification:

SOM Lab

Ref: 628(Page-1/2)

Dated: 10-04-2019

ASTM-A-615

Deformed

Bar

Gauge Length: 8 inch

Sample Type:

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	2.622	8	0.991	0.79	0.771	24.21	33.38	67590	69260	93200	95500	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

Malil Muhammad Adil
Director, Malik Steel Depot, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: nil
Dated: 10-04-2019

SOM Lab
Ref: 628(Page-2/2)
Dated: 10-04-2019

Test: Tension Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: Deformed Bar(Moiz 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	0.672	4	0.501	0.20	0.197	6.78	9.48	74750	75890	104540	106130	1.20	8.0	15.0	
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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

Noman Rafique

Project Coordinator, M/S Seasole Construction Company, ISLAMABAD

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Client Reference: SS/KSK/KFC/2019/01

Dated: 10-04-2019

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref:

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Dated:

10-04-2019

ASTM-A-615

Deformed Bar (FF
Steel)

Gauge Length:

8 inch

Sample Type:

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	2.586	8	0.984	0.79	0.760	27.49	34.42	76750	79780	96100	99900	1.00	8.0	12.5	
2	1.450	6	0.736	0.44	0.426	14.12	18.78	70770	73090	94120	97210	1.20	8.0	15.0	
3	0.655	4	0.494	0.20	0.192	5.93	7.82	65420	68150	86220	89810	1.50	8.0	18.8	
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BEND TEST:

# 8	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

Maj Adnan khalid®

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Dy Dir MTL, Const. Mosque at Sector - D, DHA PH-VI - (M/S Warraich Constr)

Client Reference: 408/241/E/Lab/524/014

SOM Lab

Ref: 630(Page-1/1)

Dated: 10-04-2019

Dated: 10-04-2019

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	2.506	8	0.968	0.79	0.736	25.43	33.40	71000	76210	93260	100100	1.30	8.0	16.3	
2	2.551	8	0.977	0.79	0.750	25.30	33.51	70630	74400	93540	98530	1.50	8.0	18.8	
3	1.468	6	0.741	0.44	0.431	16.28	20.29	81600	83300	101680	103800	1.30	8.0	16.3	
4	1.468	6	0.741	0.44	0.431	17.81	21.46	89260	91130	107560	109800	1.00	8.0	12.5	
5	0.666	4	0.500	0.20	0.196	6.07	7.82	66890	68250	86220	87980	1.50	8.0	18.8	
6	0.654	4	0.494	0.20	0.192	6.98	8.51	77000	80210	93860	97770	1.20	8.0	15.0	
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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

Maj Adnan khalid®

Test Performed By:

Dr. /Engr.

S Asad Ali
Gillani

Dy Dir MTL, Const of Mosque at Sector -S, DHA Ph-VIII - (M/S Innovative)

Client Reference: 408/241/E/Lab/525/05

SOM Lab Ref: 631(Page-1/1)

Dated: 10-04-2019

Dated: 10-04-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Supreme Mughal 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	2.553	8	0.977	0.79	0.750	25.74	33.05	71860	75690	92260	97180	1.40	8.0	17.5	
2	2.603	8	0.987	0.79	0.765	27.44	34.63	76610	79110	96670	99830	1.40	8.0	17.5	
3	1.420	6	0.729	0.44	0.417	17.23	20.61	86350	91110	103310	109010	1.00	8.0	12.5	
4	1.412	6	0.727	0.44	0.415	16.51	20.25	82780	87760	101530	107640	1.00	8.0	12.5	
5	0.648	4	0.492	0.20	0.190	7.26	9.14	80040	84250	100830	106140	1.00	8.0	12.5	
6	0.665	4	0.498	0.20	0.195	7.56	9.35	83410	85550	103080	105720	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