

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

Nauman
Khurram

Dy Dir MTL, Const. of OHWT with Tubewell Sector-P DHA Ph-1, (M/S ZORIAZ Eng)

Client Reference: 408/241/E/Lab/546/03A

SOM Lab

Ref: 739(Page-1/2)

Dated: 29-04-2019

Dated: 30-04-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (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	2.696	8	1.004	0.79	0.792	30.40	37.48	84860	84650	104640	104380	1.40	8.0	17.5	
2	2.597	8	0.986	0.79	0.763	28.29	38.12	78970	81770	106430	110200	1.30	8.0	16.3	
3	1.455	6	0.738	0.44	0.428	16.84	20.10	84410	86780	100760	103590	1.00	8.0	12.5	
4	1.449	6	0.736	0.44	0.426	17.60	20.97	88240	91140	105100	108560	1.00	8.0	12.5	
5	1.039	5	0.623	0.31	0.305	10.06	12.97	71580	72750	92250	93760	1.20	8.0	15.0	
6	1.032	5	0.621	0.31	0.303	9.86	12.76	70130	71750	90800	92900	1.30	8.0	16.3	
7	0.658	4	0.496	0.20	0.193	6.24	8.72	68800	71290	96110	99600	1.10	8.0	13.8	
8	0.659	4	0.497	0.20	0.194	6.14	8.94	67670	69770	98580	101630	1.20	8.0	15.0	
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BEND TEST:

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

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

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

Nauman
Khurram

By Dir MTL, Const. of OHWT with Tubewell Sector-P DHA Ph-1, (M/S ZORIAZ Eng)

Client Reference: 408/241/E/Lab/547/06A

SOM Lab

Ref: 739(Page-2/2)

Dated: 29-04-2019

Dated: 30-04-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Deformed Bar (S J

Gauge Length: 8 inch

Sample Type:

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	1.489	6	0.747	0.44	0.438	13.58	19.57	68060	68370	98100	98550	1.20	8.0	15.0	
2	1.490	6	0.747	0.44	0.438	13.17	19.16	66020	66320	96060	96500	1.00	8.0	12.5	
3	0.659	4	0.497	0.20	0.194	5.73	9.19	63180	65130	101390	104530	1.00	8.0	12.5	
4	0.654	4	0.494	0.20	0.192	5.73	8.89	63180	65810	98020	102110	1.20	8.0	15.0	
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BEND TEST:

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

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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: CONC - 20190430

SOM Lab

Ref: 740(Page-1/1)

Dated: 30-04-2019

Dated: 30-04-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar(AF 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	0.667	4	0.500	0.20	0.196	6.68	8.00	73630	75130	88240	90040	1.00	8.0	12.5	
2	0.654	4	0.494	0.20	0.192	7.26	8.79	80040	83370	96900	100930	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