

Maj. Adnan khalid®

Test Performed By: Dr. /Engr. Nauman Khurram

Dy Dir MTL, Const of Kennel Hospital Sector -E, (Extn) DHA, Ph -6 - (M/S FAUZ Engrs Ltd.)

Client Reference: 408/241/E/Lab/694

SOM Lab

Ref: 1406(Page-1/1)

Dated: 16-09-2019

Dated: 17-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (City 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	2.637	8	0.993	0.79	0.775	22.14	34.98	61810	63010	97670	99560	1.30	8.0	16.3	
2	2.659	8	0.997	0.79	0.781	22.55	34.66	62950	63680	96760	97870	1.20	8.0	15.0	
3	0.681	4	0.505	0.20	0.200	5.71	8.72	62950	62950	96110	96110	1.30	8.0	16.3	
4	0.672	4	0.501	0.20	0.197	5.63	8.69	62050	63000	95770	97230	1.30	8.0	16.3	
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BEND TEST:

# 8	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

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

S. Asad Ali Gillani

By Dir MTL, Infra Dev Works (Pkg-II , III & IV) - DHA , Ph-IX - (Prism) (M/S NLC)

Client Reference: 408/241/E/Lab/698/1520

SOM Lab

Ref: 1411(Page-1/1)

Dated: 17-09-2019

Dated: 17-09-2019

Test: Tension Test & bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (S. J 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	2.678	8	1.001	0.79	0.787	26.47	34.32	73910	74190	95820	96180	1.30	8.0	16.3	
2	2.652	8	0.996	0.79	0.779	26.45	34.05	73850	74890	95050	96390	1.30	8.0	16.3	
3	2.664	8	0.998	0.79	0.783	24.92	32.59	69580	70200	90980	91790	1.30	8.0	16.3	
4	2.648	8	0.995	0.79	0.778	23.85	31.88	66590	67620	88990	90360	1.60	8.0	20.0	
5	1.442	6	0.735	0.44	0.424	13.32	17.33	66780	69300	86860	90140	1.20	8.0	15.0	
6	1.438	6	0.734	0.44	0.423	13.35	17.40	66940	69630	87220	90730	1.20	8.0	15.0	
7	0.712	4	0.516	0.20	0.209	6.78	8.84	74750	71540	97460	93260	1.30	8.0	16.3	
8	0.722	4	0.520	0.20	0.212	6.85	8.94	75540	71270	98580	93000	1.30	8.0	16.3	
9	0.731	4	0.523	0.20	0.215	6.03	9.12	66550	61910	100610	93590	1.20	8.0	15.0	
10	0.701	4	0.512	0.20	0.206	6.70	8.69	73850	71700	95770	92980	1.30	8.0	16.3	

BEND TEST:

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

M/s AF Steel Re - rolling Mill
Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: AF/001

SOM Lab

Ref: 1412(Page-1/1)

Dated: 13-09-2019

Dated: 17-09-2019

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	2.651	8	0.996	0.79	0.779	24.36	36.85	68020	68980	102880	104330	1.20	8.0	15.0	
2	2.661	8	0.998	0.79	0.782	22.83	34.00	63750	64400	94910	95880	1.30	8.0	16.3	
3	1.498	6	0.748	0.44	0.440	13.61	18.22	68210	68210	91310	91310	1.20	8.0	15.0	
4	1.489	6	0.747	0.44	0.438	13.56	18.01	67960	68270	90290	90700	1.20	8.0	15.0	
5	1.031	5	0.621	0.31	0.303	8.74	13.91	62150	63590	98990	101280	1.20	8.0	15.0	
6	1.031	5	0.621	0.31	0.303	9.65	13.76	68680	70270	97910	100170	1.20	8.0	15.0	
7	0.664	4	0.498	0.20	0.195	7.14	8.87	78690	80710	97800	100300	1.00	8.0	12.5	
8	0.663	4	0.498	0.20	0.195	7.14	8.99	78690	80710	99150	101690	1.00	8.0	12.5	
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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

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

Nauman Khurram

By Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: 408/241/E/Lab/697/3593

SOM Lab

Ref: 1413(Page-1/1)

Dated: 17-09-2019

Dated: 17-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Kamran 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	0.653	4	0.494	0.20	0.192	6.19	8.26	68230	71080	91050	94850	1.30	8.0	16.3	
2	0.648	4	0.492	0.20	0.190	6.12	8.18	67450	71000	90150	94900	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