

Maj Adnan khalid®

Test Performed By:

Dr. /Engr.

Bilal A
Khokhar

Dy Dir MTL, Const. of 1-Kanal Villas at DRGCC Club House DHA Ph-6 (M/S Linker Developers Pvt. Ltd.)

Client Reference: 408/241/E/Lab/485/456

SOM Lab Ref: 463(Page-1/1)

Dated: 14-03-2019

Dated: 15-02-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	0.659	4	0.497	0.20	0.194	5.35	7.75	59020	60840	85430	88070	1.30	8.0	16.3	
2	0.669	4	0.501	0.20	0.197	5.56	8.48	61270	62200	93530	94950	1.20	8.0	15.0	
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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

Wajid Ali Shah
GM - Works, FF Steel Lahore

Test Performed By: Dr. /Engr. Bilal A. Khokhar

Client Reference: Nil

SOM Lab

Ref: 465(Page-1/1)

Dated: 15-03-019

Dated: 15-03-2019

Test: Tension 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	1.048	5	0.626	0.31	0.308	9.46	13.58	67300	67740	96600	97230	1.40	8.0	17.5	
2	1.046	5	0.625	0.31	0.307	9.73	13.27	69260	69940	94420	95350	1.40	8.0	17.5	
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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

Abdullah Khadim
Resident Engineer, DAR Engineering

Test Performed By: Dr. /Engr. Bilal A. Khokhar

Client Reference: DB-78/DAR/RE/ME/2019/0185

SOM Lab

Ref: 466(Page-1/2)

Dated: 15-03-2019

Dated: 15-03-2019

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	1.462	6	0.740	0.44	0.430	13.53	18.76	67810	69380	94020	96200	1.20	8.0	15.0	M-35
2	1.489	6	0.747	0.44	0.438	13.81	18.96	69240	69550	95040	95470	1.40	8.0	17.5	M-35
3	1.499	6	0.749	0.44	0.441	14.29	20.46	71640	71470	102550	102320	1.20	8.0	15.0	M-36
4	1.470	6	0.742	0.44	0.432	13.33	18.40	66830	68070	92230	93940	1.30	8.0	16.3	M-36
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Abdullah Khadim
Resident Engineer, DAR Engineering

Test Performed By: Dr. /Engr. Bilal A. Khokhar

Client Reference: DB-78/DAR/RE/ME/2019/0184

SOM Lab

Ref: 466(Page-2/2)

Dated: 14-03-2019

Dated: 15-03-2019

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	0.688	4	0.507	0.20	0.202	6.24	8.66	68800	68120	95550	94600	1.40	8.0	17.5	M-04
2	0.687	4	0.507	0.20	0.202	6.39	8.61	70480	69780	94990	94050	1.20	8.0	15.0	M-04
3	0.664	4	0.498	0.20	0.195	6.22	8.48	68570	70330	93530	95920	1.20	8.0	15.0	P-461
4	0.656	4	0.496	0.20	0.193	6.14	8.43	67670	70130	92960	96340	1.30	8.0	16.3	P-461
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BEND TEST:

# 4	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