

Farrukh Jamal
 Project Manager, Unicon Consulting Services (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil

Dated: 29-03-2019

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 621(Page-1/1)

Dated: 09-04-2019

ASTM-A-615

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	2.533	8	0.973	0.79	0.744	24.77	33.15	69160	73430	92550	98270	1.20	8.0	15.0	
2	2.575	8	0.982	0.79	0.757	25.15	33.40	70210	73270	93260	97320	1.10	8.0	13.8	
3	1.460	6	0.739	0.44	0.429	11.49	18.47	57590	59060	92590	94960	1.50	8.0	18.8	
4	1.481	6	0.744	0.44	0.435	11.90	18.86	59630	60320	94530	95610	1.00	8.0	12.5	
5	0.643	4	0.491	0.20	0.189	7.26	9.28	80040	84690	102290	108250	1.00	8.0	12.5	
6	0.637	4	0.488	0.20	0.187	6.95	9.17	76660	81990	101170	108200	1.10	8.0	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Six 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.

Bilal A. Khokhar

By Dir MTL, Extnt Elec Works U/G of IVY Green Sector-Z, - DHA , Ph-VIII - (M/S NLC)

Client Reference: 408/241/E/Lab/521/08

SOM Lab

Ref: 622(Page-1/1)

Dated: 04-04-2019

Dated: 09-04-2019

Test: Tension Test & Bend Test

Test Specification:

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	1.563	6	0.764	0.44	0.459	15.41	20.56	77260	74060	103060	98790	1.00	8.0	12.5	
2	1.563	6	0.764	0.44	0.459	14.93	19.95	74860	71760	99990	95850	1.20	8.0	15.0	
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BEND TEST:

# 6	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

Maj Adnan khalid®

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

By Dir MTL, Extnt Elec Works U/G of IVY Green Sector-Z, - DHA , Ph-VIII - (M/S NLC)

Client Reference: 408/241/E/Lab/521/08

SOM Lab

Ref: 622(Page-1/1)

Dated: 04-04-2019

Dated: 09-04-2019

Test: Tension Test & Bend Test

Test Specification:

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	1.563	6	0.764	0.44	0.459	15.41	20.56	77260	74060	103060	98790	1.00	8.0	12.5	
2	1.563	6	0.764	0.44	0.459	14.93	19.95	74860	71760	99990	95850	1.20	8.0	15.0	
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BEND TEST:

# 6	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

Faisal Mubarik Shabbir
Khan(Retd.)

Test Performed By: Dr. /Engr. S Ali Gillani

TBt, TI (M), Lieutenant Colonel, Additional Director Development, DHA Phaes-XI (Rehbar) Lahore

SOM Lab

Client Reference: 700/3/Girls School/Ph-XI/Projs/1235

Ref: 623(Page-1/1)

Dated: 08-04-2019

Dated: 08-04-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (AF

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	2.676	8	1.000	0.79	0.786	23.34	34.53	65170	65500	96390	96880	1.00	8.0	12.5	
2	2.653	8	0.997	0.79	0.780	23.55	34.42	65740	66580	96100	97340	1.20	8.0	15.0	
3	1.448	6	0.736	0.44	0.426	13.46	17.66	67450	69660	88500	91410	1.30	8.0	16.3	
4	1.455	6	0.738	0.44	0.428	13.15	17.71	65910	67760	88750	91240	1.20	8.0	15.0	
5	0.637	4	0.488	0.20	0.187	6.83	8.58	75320	80550	94650	101230	1.00	8.0	12.5	
6	0.670	4	0.501	0.20	0.197	6.73	8.82	74190	75320	97230	98720	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

Engr. Tajammal Farooq
Resident Engineer (AZEA), Sialkot (S F S)

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: RE/SKT -62

SOM Lab

Ref: 625(Page-1/2)

Dated: 03-04-2019

Dated: 09-04-2019

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	3.395	9	1.127	1.00	0.998	31.86	46.48	70260	70400	102520	102720	1.20	8.0	15.0	
2	3.294	9	1.110	1.00	0.968	30.96	45.48	68280	70540	100310	103630	1.00	8.0	12.5	
3	2.620	8	0.990	0.79	0.770	24.69	33.79	68930	70720	94340	96790	1.30	8.0	16.3	
4	2.598	8	0.986	0.79	0.763	26.32	35.37	73480	76080	98750	102240	1.40	8.0	17.5	
5	0.653	4	0.494	0.20	0.192	6.09	8.74	67110	69910	96340	100350	1.30	8.0	16.3	
6	0.652	4	0.494	0.20	0.192	6.24	8.77	68800	71660	96670	100700	1.20	8.0	15.0	
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BEND TEST:

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

Engr. Tajammal Farooq
Resident Engineer (AZEA), Sialkot (S F S)

Test Performed By: Dr. /Engr. S. Asad Ali Gillani

Client Reference: RE/SKT -63

SOM Lab

Ref: 625(Page-2/2)

Dated: 06-04-2019

Dated: 09-04-2019

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	1.477	6	0.743	0.44	0.434	13.05	18.71	65400	66310	93760	95060	1.30	8.0	16.3	
2	1.510	6	0.752	0.44	0.444	12.76	19.01	63970	63400	95290	94430	1.50	8.0	18.8	
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BEND TEST:

# 6	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

Maj Adnan khalid®

Test Performed By:

Dr. /Engr.

Bilal A. Khokhar

Dy Dir MTL, Infra Dev Works, Sector-Z, - DHA , Ph-VII - (M/S JR Private)

Client Reference: 408/241/E/Lab/519/05

SOM Lab

Ref:

626(Page-1/1)

Dated: 09-04-2019

Dated:

09-04-2019

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	2.626	8	0.991	0.79	0.772	21.81	32.33	60900	62320	90270	92370	1.50	8.0	18.8	
2	2.623	8	0.991	0.79	0.771	20.74	31.80	57910	59340	88790	90980	1.60	8.0	20.0	
3	1.478	6	0.743	0.44	0.434	13.37	19.54	67040	67970	97950	99300	1.10	8.0	13.8	
4	1.448	6	0.736	0.44	0.426	13.46	19.44	67450	69660	97440	100640	1.10	8.0	13.8	
5	0.644	4	0.491	0.20	0.189	5.63	7.97	62050	65660	87910	93020	1.20	8.0	15.0	
6	0.646	4	0.492	0.20	0.190	5.73	8.12	63180	66500	89590	94310	1.30	8.0	16.3	
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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