

Electrical Engineer,
BRT Peshawar

Test Performed By: Dr. /Engr. M Rehan Ashraf

Client Reference: MMP/BRT/PSH/CD/ELECT/065

Dated: 24-05-2019

SOM Lab Ref: CED/SOM/892 (Page-1/1)

Dated: 24-05-2019

Test: Tension Test

Test Specification: ASTM-F-1554

Sample Type: J - Bolt

Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.938	25	25.28	491	502	193.00	278.50	393	385	567	555	50.0	200	25.0	
2	3.937	25	25.27	491	502	183.00	259.00	373	365	528	517	57.5	200	28.8	
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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

Five Sattar Corporation,
Bahawalpur (Project: Noor Care Hospital Rajanpur)

Test Performed By: Dr. /Engr. M Rizwan Azam

Client Reference: 633/UET/LHR

SOM Lab

Ref: 884 (Page-1/1)

Dated: 23-05-2019

Dated: 24-05-2019

Test: Tension Test & Bend 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	2.585	8	0.984	0.79	0.760	24.97	35.27	69720	72480	98470	102350	1.20	8.0	15.0	
2	1.410	6	0.726	0.44	0.414	12.03	18.37	60290	64080	92070	97860	1.30	8.0	16.3	
3	1.026	5	0.620	0.31	0.302	8.18	12.18	58170	59710	86670	88960	1.60	8.0	20.0	
4	0.634	4	0.487	0.20	0.186	5.27	8.07	58120	62490	89030	95730	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight 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

Sub Divisional Officer
Buildings Sub Division, Kamoke

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

Client Reference: 151/K

SOM Lab

Ref: 885 (Page-1/1)

Dated: 06-04-2019

Dated: 24-05-2019

Test: Tension Test & Bend 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	1.523	6	0.755	0.44	0.448	15.65	21.00	78430	77030	105260	103380	1.20	8.0	15.0	
2	0.657	4	0.496	0.20	0.193	6.19	7.39	68230	70710	81500	84450	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

Assistant Engineer (C)
University of Sargodha

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

Client Reference: SU/P.D.(W)/5035-19

SOM Lab

Ref: 886(Page-1/2)

Dated: 22-05-2019

Dated: 24-05-2019

Test: Tension Test & Bend 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	0.678	4	0.503	0.20	0.199	6.70	9.50	73850	74230	104770	105290	1.00	8.0	12.5	
2	0.682	4	0.505	0.20	0.200	6.65	9.48	73290	73290	104540	104540	1.10	8.0	13.8	
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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

Assistant Engineer (C)
University of Sargodha

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

Client Reference: SU/P.D.(W)/5036-19

SOM Lab

Ref: 886(Page-2/2)

Dated: 22-05-2019

Dated: 24-05-2019

Test: Tension Test & Bend 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	1.531	6	0.757	0.44	0.450	10.93	16.84	54780	53560	84410	82530	1.50	8.0	18.8	
2	1.513	6	0.753	0.44	0.445	10.55	16.41	52890	52290	82260	81340	1.30	8.0	16.3	
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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

Naveed Anwar
PEACH CLUB, Lahore

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

Client Reference: nil

SOM Lab

Ref: 887(Page-1/1)

Dated: 24-05-2019

Dated: 24-05-2019

Test: Tension Test & Bend 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	0.608	4	0.477	0.20	0.179	6.37	8.05	70260	78500	88800	99220	1.20	8.0	15.0	
2	0.606	4	0.476	0.20	0.178	6.73	8.33	74190	83360	91840	103190	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

Maj Adnan khalid®

Test Performed By: Dr. /Engr. Ubaid A. Mughal

Dy Dir MTL, Const. of Girls School W-Sector, DHA PH-VIII - (M/S Kingcrete)

Client Reference: 408/241/E/Lab/591/10

SOM Lab

Ref: 888(Page-1/1)

Dated: 23-05-2019

Dated: 24-05-2019

Test: Tension 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	0.664	4	0.498	0.20	0.195	6.14	8.69	67670	69410	95770	98230	1.30	8.0	16.3	
2	0.672	4	0.501	0.20	0.197	6.60	9.04	72730	73840	99710	101230	1.00	8.0	12.5	
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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. M Rizwan Azam

Client Reference: DB-78/DAR/RE/ME/2019/0196

SOM Lab

Ref: 889(Page-1/1)

Dated: 24-05-2019

Dated: 24-05-2019

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	1.031	5	0.621	0.31	0.303	9.73	13.05	69260	70860	92830	94970	1.20	8.0	15.0	P-49
2	1.035	5	0.622	0.31	0.304	9.84	13.46	69990	71370	95730	97620	1.20	8.0	15.0	P-49
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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

Amna/Noor
32-C/1, Gulberg-III, Lahore

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

Client Reference: ST/TF/03/19

SOM Lab

Ref: 890(Page-1/1)

Dated: 24-05-2019

Dated: 24-05-2019

Test: Tension Test & Bend 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	2.600	8	0.986	0.79	0.764	23.30	35.70	65060	67270	99660	103050	1.00	8.0	12.5	
2	1.519	6	0.754	0.44	0.446	12.13	16.72	60810	59990	83800	82670	1.60	8.0	20.0	
3	0.639	4	0.489	0.20	0.188	5.50	8.79	60700	64580	96900	103080	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
# 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