

Nasir Ahmed Chishty

Test Performed By:

Dr. /Engr.

M Irfan UI Haddan

Chief Resident Engineer, Osmani & Co. (Pvt) Ltd. Sawat Motorway Project

Client Reference: 335/CRE/QAT/SMP/2019

Dated: 17-10-2019

SOM Lab Ref: CED/SOM/1605(Page-1/1)

Dated: 22-10-2019

Test: Tension Test

Test Specification: ASTM-F-1554

Sample Type: Fence Clamp (U-Clamp)

Gauge Length: 50 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	0.885	12	12.00	113	113	39.00	60.00	345	346	531	531	10.0	50	20.0	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Talha Javaid
Planning & Coordination Engr.

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

Client Reference: nil
Dated: 22-10-2019
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1606 (Page-1/1)
Dated: 22-10-2019
Test Specification: ASTM-A-615
Sample Type: Deformed Bar(Moiz 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	1.510	6	0.752	0.44	0.444	14.27	19.64	71540	70890	98460	97570	1.50	8.0	18.8	
2	1.471	6	0.742	0.44	0.432	13.53	19.16	67810	69060	96060	97840	1.40	8.0	17.5	
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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

Junaid Iqbal
Project Manager, Forman Christian College, Lahore

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

Client Reference: FCC/PM/DBW/CCP/19/072
Dated: 18-10-2019
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1607(Page-1/1)
Dated: 22-10-2019
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	2.650	8	0.996	0.79	0.779	22.94	35.60	64030	64940	99380	100780	1.40	8.0	17.5	
2	2.667	8	0.999	0.79	0.784	23.04	35.93	64320	64810	100320	101080	1.40	8.0	17.5	
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Witnessed By: Adnan Ahmed Malik, QAS FCC

BEND TEST:

# 8	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.

S. Asad Ali
Gillani

Dy Dir MTL, Infra Dev Works, Sector - E, DHA Phase IX - (M/S Inland)

Client Reference: 408/241/E/Lab/739/124

SOM Lab

Ref: 1610(Page-1/1)

Dated: 18-10-2019

Dated: 12-10-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (City UAE 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	0.664	4	0.498	0.20	0.195	5.63	8.63	62050	63640	95210	97650	1.20	8.0	15.0	
2	0.673	4	0.502	0.20	0.198	5.83	8.65	64300	64950	95440	96400	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

Eng. Ch Liqat Ali

Resident Engineer, G 3 Engineering Consultants (Pvt) Ltd. Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: G3/0207/1095

Dated: 22-10-2019

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1611(Page-1/1)

Dated: 22-10-2019

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	1.494	6	0.748	0.44	0.439	13.15	19.75	65910	66070	98970	99200	1.20	8.0	15.0	
2	0.655	4	0.494	0.20	0.192	5.71	8.74	62950	65570	96340	100350	1.40	8.0	17.5	
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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

Maj Adnan khalid@

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Dy Dir MTL, Const and Extension of Mosque at Sector -A, DHA Ph-I - (M/S Ijaz Hussain)

SOM Lab

Ref: 1602(Page-1/1)

Client Reference: 408/241/E/Lab/742/nil

Dated: 22-10-2019

Dated: 22-10-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Saeed Kasue)

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	1.544	6	0.760	0.44	0.454	13.27	20.31	66530	64480	101780	98640	1.30	8.0	16.3	
2	1.514	6	0.753	0.44	0.445	14.02	22.04	70260	69470	110470	109230	1.20	8.0	15.0	
3	0.636	4	0.488	0.20	0.187	4.84	7.26	53400	57110	80040	85600	1.20	8.0	15.0	
4	0.665	4	0.498	0.20	0.195	6.70	10.01	73850	75750	110390	113220	1.00	8.0	12.5	
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BEND TEST:

# 6	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

Abdullah Khadim
Resident Engineer, DAR Engineering

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

Client Reference: DB-78/DAR/RE/ME/2019/0206
Dated: 21-10-2019
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1613(Page-1/1)
Dated: 22-10-2019
ASTM-A-615
Deformed Bar(Kamran 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	1.481	6	0.744	0.44	0.435	13.76	19.78	68980	69770	99130	100260	1.30	8.0	16.3	P-76
2	1.484	6	0.745	0.44	0.436	13.76	19.98	68980	69610	100150	101070	1.20	8.0	15.0	P-76
3	0.750	5	0.529	0.31	0.220	9.65	13.27	68680	96780	94420	133050	1.20	8.0	15.0	P-137
4	1.051	5	0.627	0.31	0.309	9.60	13.53	68320	68540	96240	96550	1.20	8.0	15.0	P-137
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 5	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

