

Mazhar Islam

Test Performed By: Dr. /Engr. Wasim Abbas

PM AMS R.Y.Khan (Const Of Anti Penetration Equipment Foundation At MCS)

Client Reference: AMS/CET/MAT/UET/02

Dated: 13-06-2022

SOM Lab Ref: CED/SOM/489(Page-1/1)

Dated: 15-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Battalla Steel)

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	2.207	19	18.92	284	281	127.20	186.00	449	453	656	662	30.0	200	15.0	
2	1.510	16	15.65	201	192	90.20	130.00	449	469	647	676	27.5	200	13.8	
3	0.982	13	12.62	133	125	55.00	82.70	414	440	623	662	30.0	200	15.0	
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BEND TEST:

19mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
13mm	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

Sohail Anjum

Test Performed By:

Dr. /Engr. Wasim Abbas

Project Manager MS Tower, G4, Lahore (Const of MS Tower At Plot 450,451 Johar Town Lahore)

Client Reference: MST/BCC/UET/2022/S-004

SOM Lab 491 (Page-

Ref: 1/1)

Dated: 15-06-2022

Dated: 15-06-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(SJ Steel)H# 263-264

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	1.504	6	0.750	0.44	0.442	15.06	19.52	75470	75130	97850	97410	1.10	8.0	13.8	
2	1.540	6	0.759	0.44	0.453	16.18	20.56	81090	78760	103060	100100	1.10	8.0	13.8	
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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

UMT Lahore

Test Performed By:

Dr. /Engr.

Wasim Abbas

Dir PMO (Ikram Amjad Trader & Engg Works).University Of Management And Technology Lahore.

Client Reference: Nil

SOM Lab

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Ref:

1/1)

Dated: 15-06-2022

Dated:

15-06-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

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	2.655	8	0.997	0.79	0.780	29.36	35.83	81960	83010	100030	101310	1.20	8.0	15.0	
2	2.728	8	1.011	0.79	0.802	28.34	36.56	79120	77930	102080	100550	1.10	8.0	13.8	
3	2.677	8	1.001	0.79	0.787	26.91	33.89	75130	75420	94620	94980	1.10	8.0	13.8	
4	0.678	4	0.503	0.20	0.199	6.93	9.38	76440	76820	103420	103940	1.00	8.0	12.5	
5	0.676	4	0.503	0.20	0.199	6.93	9.45	76440	76820	104200	104730	1.20	8.0	15.0	
6	0.675	4	0.502	0.20	0.198	7.03	9.38	77560	78350	103420	104460	1.10	8.0	13.8	
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BEND TEST:

Sr # (1-3)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
Sr # (4-6)	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

Engr. Mian Mubashar Rafiq

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Union Developers Lhr.(const. Of Union Luxury Apartments,Etihad Town Lahore.)

Client Reference: UA/SO/2022/020

SOM Lab

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Ref:

1/1)

Dated: 14-06-2022

Dated:

15-06-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Afco 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	1.519	6	0.754	0.44	0.446	17.60	19.95	88240	87060	99990	98650	1.20	8.0	15.0	
2	1.520	6	0.754	0.44	0.447	17.62	19.95	88340	86960	99990	98430	1.20	8.0	15.0	
3	0.674	4	0.502	0.20	0.198	6.22	8.10	68570	69260	89370	90270	1.20	8.0	15.0	
4	0.678	4	0.503	0.20	0.199	6.19	8.12	68230	68580	89590	90040	1.10	8.0	13.8	
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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

Muhammad Shafi

Test Performed By: Dr. /Engr. Nauman Khurram

Dy. Manager PIEDMC Chunian.Const And Maintenance Works In Chunian Aqua Business Park)

Client Reference: PIE/CABP/QAQC/MSL/01

SOM Lab 497 (Page-

Ref: 1/1)

Dated: 10-06-2022

Dated: 15-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Batala)

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	1.478	5	0.743	0.31	0.434	13.20	17.43	93920	67090	124010	88580	1.20	8.0	15.0	
2	1.474	5	0.743	0.31	0.433	17.64	21.51	125460	89820	153020	109550	1.20	8.0	15.0	
3	0.673	4	0.502	0.20	0.198	8.26	9.48	91050	91970	104540	105600	1.10	8.0	13.8	
4	0.672	4	0.501	0.20	0.197	8.28	9.33	91280	92670	102860	104420	1.00	8.0	12.5	
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BEND TEST:

# 5	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

Sub Divisional officer,

Test Performed By:

Dr. /Engr. Nauman Khurram

BSD-II D.G Khan.(Estb Of Emergency and OPD Block Teaching Hospital D.G.Khan Group No.1)

Client Reference: 2258/DGK-II

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Ref: 1/1)

Dated: 02-06-2022

Dated: 15-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: 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	2.576	8	0.982	0.79	0.757	23.14	32.16	64600	67420	89790	93700	1.60	8.0	20.0	
2	2.680	8	1.002	0.79	0.788	27.08	35.70	75610	75810	99660	99910	1.30	8.0	16.3	
3	1.460	6	0.739	0.44	0.429	14.34	18.71	71890	73740	93760	96160	1.30	8.0	16.3	
4	1.445	6	0.736	0.44	0.425	14.02	17.53	70260	72740	87880	90990	1.50	8.0	18.8	
5	0.654	4	0.494	0.20	0.192	5.96	8.41	65760	68500	92740	96600	1.10	8.0	13.8	
6	0.649	4	0.493	0.20	0.191	5.98	8.00	65990	69100	88240	92400	1.10	8.0	13.8	
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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

Test Performed by: Dr. Asad Ali Gillani

Salman Akbar
Director Projects,
ANS Associates (SMC-Pvt) Ltd, Lahore (National Foods Ltd, Faisalabad, For AHU Platform).

Client Reference No.:0606-FSNFL-03

Dated: 15-06-2022

SOM Lab Ref: CED/SOM/493

Dated: 15-06-2022

Test: Slippage Test

Sample Type: Anchor Bolt- M16 (Threaded Rod)

Slippage Test Results

Sample No.	Sample Type	Diameter of Bolt (mm)	Maximum Load Applied (kN)	Remarks
1	Anchor Bolt (Threaded Rod)	16	63.7	Sample Breaks at this Load
2	Anchor Bolt (Threaded Rod)	16	67.7	Sample Breaks at this Load
3	Anchor Bolt (Threaded Rod)	16	63.2	Sample Breaks at this Load

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

