

Test Performed by: S. Asad Ali Gillani

ZES
Zain Engineering Solution
Lahore.
(Project: RAMADA)

Client Reference No.: Nil

Dated: 11-12-2024

SOM Lab Ref: CED/SOM/351 (Page 1/1)

Dated: 11-12-2024

Test Type: Tensile Test

Sample Type: Anchor Bolt (M16x250mm)

Test Specification: ASTM – F-606

Tensile Test Results

S No.	Sample Type	Sample Diameter before Test (mm)	Tested Diameter of Rod/Bolt (mm)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	% Elongation
1	Anchor Bolt M16	16.0	12.0	68.7	76.0	607.7	672.3	20.0

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

Waqas Ahmed Ghumman,PM
 High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: QC/HQ/CIVIL/251
SOM Lab Ref: CED/SOM/352 (Page-1/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 11-12-2024
Dated: 11-12-2024
Test Specification: ASTM-A 615
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	3.879	25	25.08	491	494	234.70	327.00	478	476	666	662	30.0	200	15.0	
2	3.854	25	25.00	491	491	226.70	323.00	462	462	658	658	35.0	200	17.5	
3	0.874	12	11.91	113	111	52.20	74.20	462	469	656	667	30.0	200	15.0	
4	0.869	12	11.87	113	111	53.20	64.70	470	481	572	585	27.5	200	13.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
12mm	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

Major Pir Faraz Shah
for Commd Officer 109 Engineer Battalion Okara.

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

Client Reference: 607/Material Testing/Project

SOM Lab

Ref: 349 (Page-1/1)

Dated: 11-12-2024

Dated: 11-12-2024

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	0.667	4	0.500	0.20	0.196	6.29	9.48	69360	70770	104540	106670	1.10	8.0	13.8	Aziz
2	0.669	4	0.501	0.20	0.197	6.29	9.55	69360	70410	105330	106930	1.20	8.0	15.0	Aziz
3	0.656	4	0.496	0.20	0.193	7.03	8.79	77560	80380	96900	100410	1.20	8.0	15.0	Mughal
4	0.656	4	0.496	0.20	0.193	7.56	9.04	83410	86430	99710	103320	0.90	8.0	11.3	Mughal
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BEND TEST:

--	No Bend test performed	Note:- Only Four Samples Received and Tested

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

M. Jameel
40-C-III Gulberg III Lahore.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil
Dated: Nil

SOM Lab
Ref: 350 (Page-1/1)
Dated: 11-12-2024

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.653	8	0.997	0.79	0.780	27.62	36.75	77120	78110	102590	103910	1.40	8.0	17.5	
2	2.618	8	0.990	0.79	0.769	24.79	35.68	69210	71100	99600	102320	1.50	8.0	18.8	
3	2.686	8	1.002	0.79	0.789	27.32	36.85	76270	76370	102880	103010	1.40	8.0	17.5	
4	1.055	5	0.628	0.31	0.310	9.81	13.81	69770	69770	98270	98270	1.30	8.0	16.3	
5	1.051	5	0.627	0.31	0.309	9.60	13.56	68320	68540	96460	96770	1.30	8.0	16.3	
6	1.059	5	0.629	0.31	0.311	9.73	13.76	69260	69040	97910	97590	1.40	8.0	17.5	
7	0.661	4	0.497	0.20	0.194	6.57	8.82	72510	74750	97230	100240	1.00	8.0	12.5	
8	0.669	4	0.501	0.20	0.197	6.52	8.72	71940	73040	96110	97570	1.10	8.0	13.8	
9	0.662	4	0.498	0.20	0.195	6.47	8.66	71380	73210	95550	98000	1.20	8.0	15.0	
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BEND TEST:

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

Test Performed By: Dr. /Engr. Nauman Khurram

HSD Qaidabad.(Special Repair Bridge 2 Span 50FT Each on Gunjial Warcha Rd at Mohajir Canal)

Client Reference: 127/Q

SOM Lab

Ref: 353(Page-1/1)

Dated: 24-08-2024

Dated: 11-12-2024

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	0.665	4	0.498	0.20	0.195	6.52	9.07	71940	73790	100050	102610	1.30	8.0	16.3	
2	0.666	4	0.500	0.20	0.196	6.57	9.12	72510	73990	100610	102660	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