Test Performed by: S. Asad Ali Gillani

Imtiaz Khalil
Engineer QA/QC
ZES Zain Engineering Solution
Lahore.
(Project: RAMADA)

Client Reference No.: ZES-QA/QC-03/25 Dated: 09-01-2025

SOM Lab Ref: CED/SOM/541 (Page 1/1) Dated: 09-01-2025

Test Type: Tensile Test

Sample Type: Threaded Rod (M16x305mm) (Khursheed and Co)

Test Specification: ASTM – F-1554

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	11.0	61.2	83.5	644.3	879.1	10.0

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

Waqas Ahmed Ghumman,PM **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

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

Client Reference: QC/HQ/CIVIL/255 **Dated:** 07-01-2025

SOM Lab Ref: CED/SOM/545 (Page-1/1) **Dated:** 09-01-2025

Test: Tension Test & Bend Test **Test Specification:** ASTM-A 615

Sample Type: Deformed Bar **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	1.580	16	16.00	201	201	98.20	133.20	488	489	662	663	35.0	200	17.5	
2	1.580	16	16.01	201	201	97.20	132.70	483	483	660	660	32.5	200	16.3	
3	0.892	12	12.03	113	114	53.50	74.50	473	472	659	656	30.0	200	15.0	
4	0.890	12	12.02	113	113	52.70	74.20	466	465	656	655	30.0	200	15.0	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Sheikhoo Steel **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Director Projects Sheikhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil **Dated:** 31-12-2024

SOM Lab Ref: CED/SOM/538(Page-2/2) **Dated:** 09-01-2025

Test: Tension Test **Test Specification:** ASTM-A 615

Sample Type: Deformed Bar (Sheikhoo 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	3.834	25	24.93	491	488	229.70	333.20	468	471	679	683	35.0	200	17.5	
2	2.449	20	19.93	314	312	160.70	219.50	512	516	699	704	37.5	200	18.8	
3	1.563	16	15.92	201	199	99.50	138.00	495	500	686	694	35.0	200	17.5	
4	0.883	12	11.97	113	112	56.70	78.70	501	505	696	700	30.0	200	15.0	
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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

Rana Associates **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Lahore.(Project:391.D DHA Park Views Phase-8)

SOM Lab

Client Reference: Nil **Ref:** 537 (Page-1/1)

Dated: 09-01-2025 **Dated:** 09-01-2025

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	2.664	8	0.998	0.79	0.783	22.78	35.52	63610	64170	99180	100060	1.50	8.0	18.8	
2	1.523	6	0.755	0.44	0.448	12.97	20.20	65000	63830	101270	99460	1.30	8.0	16.3	
3	0.660	4	0.497	0.20	0.194	5.78	8.77	63740	65710	96670	99660	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Sheikhoo Steel **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Dir Projects Sheikhoo Sugar Mills Anwar Abad Kot Addu,Muzaffargarh.

SOM Lab

Client Reference: Nil **Ref:** 538 (Page-1/2)

Dated: 31-12-2025 **Dated:** 09-01-2025

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Sheikhoo 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	2.684	8	1.002	0.79	0.789	25.43	35.04	71000	71090	97810	97940	1.50	8.0	18.8	
2	1.493	6	0.748	0.44	0.439	14.68	19.78	73580	73750	99130	99350	1.50	8.0	18.8	
3	0.660	4	0.497	0.20	0.194	7.03	9.12	77560	79960	100610	103720	1.30	8.0	16.3	
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BEND TEST:

--	No Bend test performed

Note:-

Only Three Samples Received and Tested

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

A.F Steel **Test Performed By:** **Dr. /Engr.** Nauman Khurram

RE Rolling Mills Lahore.(CGGC Dasu Project For MW-1 and MW-2 Works)

SOM Lab

Client Reference: Nil **Ref:** 539 (Page-1/1)

Dated: 09-01-2025 **Dated:** 09-01-2025

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (AF 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	2.666	8	0.998	0.79	0.783	22.27	33.61	62180	62740	93830	94670	1.40	8.0	17.5	
2	2.712	8	1.007	0.79	0.797	23.60	34.12	65880	65300	95250	94410	1.30	8.0	16.3	
3	1.528	6	0.756	0.44	0.449	13.99	19.34	70100	68700	96930	94990	1.30	8.0	16.3	
4	1.529	6	0.756	0.44	0.449	13.93	19.13	69850	68450	95910	93980	1.40	8.0	17.5	
5	0.674	4	0.502	0.20	0.198	7.16	9.53	78910	79710	105100	106160	1.10	8.0	13.8	
6	0.666	4	0.500	0.20	0.196	6.80	9.04	74980	76510	99710	101740	1.00	8.0	12.5	
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Witnessed By: Majid (DHC-QA/QC), Khizar (QA/QC CGGC)

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Supervisor Engineer **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Health Component-PHCIP Primary & Secondary Healthcare Deptt Lhr.(Burial PIT Construcion)

Client Reference: PIU-H/PHCIP/PM/760 **SOM Lab Ref:** 540 (Page-1/1)

Dated: 08-01-2025 **Dated:** 09-01-2025

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	0.644	4	0.491	0.20	0.189	6.98	8.97	77000	81480	98920	104680	1.20	8.0	15.0	
2	0.644	4	0.491	0.20	0.189	6.93	8.94	76440	80890	98580	104320	1.40	8.0	17.5	
3	0.644	4	0.491	0.20	0.189	6.88	8.89	75880	80290	98020	103730	1.40	8.0	17.5	
4	0.647	4	0.492	0.20	0.190	7.03	9.02	77560	81650	99480	104720	1.40	8.0	17.5	
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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

Kamran Khan **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Procurement Manager Q Links Construction Lahore.(Const Of Safari Home Bahria Orchard Lhr)

Client Reference: Qlinls12 06/01/25 **SOM Lab Ref:** 542 (Page-1/1)

Dated: 09-01-2025 **Dated:** 09-01-2025

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	2.661	8	0.998	0.79	0.782	23.65	38.30	66020	66700	106920	108010	1.20	8.0	15.0	
2	1.497	6	0.748	0.44	0.440	13.43	20.56	67290	67290	103060	103060	1.20	8.0	15.0	
3	0.672	4	0.501	0.20	0.197	5.89	8.94	64970	65960	98580	100080	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Kamran Khan **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Procurement Manager Q Links Construction Lahore.(Const Of Safari Home Bahria Orchard Lhr)

SOM Lab

Client Reference: Qlinls12 19/12/24 **Ref:** 543 (Page-1/1)

Dated: 09-01-2025 **Dated:** 09-01-2025

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	2.663	8	0.998	0.79	0.783	22.73	36.62	63460	64030	102220	103140	1.50	8.0	18.8	
2	1.505	6	0.750	0.44	0.442	14.17	21.99	71020	70700	110210	109710	1.50	8.0	18.8	
3	0.667	4	0.500	0.20	0.196	5.86	8.46	64640	65960	93300	95200	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Mr Ahmad Salman Pirzada
For Zia-Ul-Quran Publications Lahore.

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

Client Reference: Nil
Dated: 08-01-2025

SOM Lab
Ref: 544 (Page-1/1)
Dated: 09-01-2025

Test: Tension Test & Bend Test
Test Specification: ASTM-A-615
Gauge Length: 8 inch
Sample Type: Deformed Bar (Mehboob Super)

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	1.493	6	0.748	0.44	0.439	14.53	19.54	72810	72980	97950	98170	1.50	8.0	18.8	
2	1.491	6	0.747	0.44	0.438	14.75	19.80	73940	74270	99230	99680	1.40	8.0	17.5	
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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

Muhammad Faisal **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Civil Engineer Briell Pharmaceuticals Pvt Ltd. 538-C Sundar Industrial Estate Raiwind Road Lahore

Client Reference: Nil **SOM Lab Ref:** 546 (Page-1/1)

Dated: 09-01-2025 **Dated:** 09-01-2025

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	2.602	8	0.987	0.79	0.765	22.70	36.70	63380	65450	102450	105800	1.30	8.0	16.3	
2	2.586	8	0.984	0.79	0.760	22.59	36.60	63070	65550	102170	106200	1.40	8.0	17.5	
3	1.484	6	0.745	0.44	0.436	12.92	19.78	64740	65330	99130	100030	1.40	8.0	17.5	
4	1.478	6	0.743	0.44	0.434	12.84	19.75	64380	65270	98970	100340	1.50	8.0	18.8	
5	0.655	4	0.494	0.20	0.192	5.86	9.04	64640	67330	99710	103860	1.20	8.0	15.0	
6	0.654	4	0.494	0.20	0.192	5.96	9.12	65760	68500	100610	104800	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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