

Raja Muhammad Aqeel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Astt Dir. Building Section DHA Gujranwala.(Const Of Villas Block-A & D)

Client Reference: 111/3/AD Bldgs/Gen/34

SOM Lab

Ref:

1820 (Page-1/2)

Dated: 27-02-2023

Dated:

27-02-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (AK

Gauge Length: 8 inch

Sample Type:

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	1.507	6	0.751	0.44	0.443	12.25	19.67	61420	61000	98610	97950	1.40	8.0	17.5	
2	1.500	6	0.749	0.44	0.441	12.20	19.57	61160	61020	98100	97880	1.50	8.0	18.8	
3	0.660	4	0.497	0.20	0.194	5.81	9.14	64080	66060	100830	103950	1.40	8.0	17.5	
4	0.674	4	0.502	0.20	0.198	5.83	9.04	64300	64950	99710	100710	1.30	8.0	16.3	
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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

Raja Muhammad Aqeel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Astt Dir. Building Section DHA Gujranwala.(Const Of Villas Block-A & D)

Client Reference: 111/3/AD Bldgs/Gen/33

SOM Lab

Ref:

1820 (Page-2/2)

Dated: 27-02-2023

Dated:

27-02-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Siraj 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	0.666	4	0.500	0.20	0.196	7.44	9.84	82060	83730	108480	110690	1.10	8.0	13.8	
2	0.669	4	0.501	0.20	0.197	7.24	9.79	79810	81030	107910	109560	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

Sub Divisional officer,

Test Performed By:

Dr. /Engr. Rizwan Riaz

BSD No.22,Lhr.(New Bachelor Hostel,Research & Training Institute Office Complex Manawan Lhr)

Client Reference: 14/SDO-22/ -22nd

SOM Lab

Ref: 1821 (Page-1/1)

Dated: 30-01-2023

Dated: 27-02-2023

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	1.513	6	0.753	0.44	0.445	11.45	17.40	57380	56740	87220	86240	2.00	8.0	25.0	
2	0.673	4	0.502	0.20	0.198	5.60	8.59	61720	62340	94760	95720	1.30	8.0	16.3	
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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

PAEC ,PD North-III

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

WASO-PAEC,Chashma.(Const of 120 Rooms Residential Building For Friendship at FFP Site)

Client Reference: WASO-CMD-LOI-158/C/262

SOM Lab

Ref: 1822 (Page-1/1)

Dated: 07-02-2023

Dated: 27-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SJ 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	0.674	4	0.502	0.20	0.198	6.95	8.99	76660	77440	99150	100150	1.20	8.0	15.0	
2	0.672	4	0.501	0.20	0.197	6.93	8.99	76440	77600	99150	100660	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

New Metro City
Housing Scheme Manager QA/QC Mandi Bahauddin.

Test Performed By: Dr. /Engr. Rizwan Riaz

Client Reference: NMC/MBD/8
Dated: 24-02-2023
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1824-25 (Page-1/1)
Dated: 27-02-2023
Test Specification: ASTM-A-615
Sample Type: Deformed Bar (SJ 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	1.486	6	0.746	0.44	0.437	14.00	19.90	70160	70640	99740	100420	1.00	8.0	12.5	
2	1.472	6	0.743	0.44	0.433	13.80	19.80	69180	70300	99230	100830	1.30	8.0	16.3	
3	0.673	4	0.502	0.20	0.198	7.20	8.90	79360	80160	98130	99130	1.00	8.0	12.5	
4	0.672	4	0.501	0.20	0.197	7.20	8.99	79360	80570	99150	100660	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

Abdul Qadir
Lahore. (42 A/C1 Gulberg)

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

Client Reference: Nil
Dated: 27-02-2023

SOM Lab
Ref: 1826 (Page-1/1)
Dated: 27-02-2023

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (SJ 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	2.617	8	0.990	0.79	0.769	25.69	35.29	71720	73670	98520	101210	1.40	8.0	17.5	
2	2.618	8	0.990	0.79	0.769	25.38	35.19	70860	72800	98240	100920	1.30	8.0	16.3	
3	1.475	6	0.743	0.44	0.433	15.49	19.24	77670	78920	96420	97980	1.20	8.0	15.0	
4	1.492	6	0.747	0.44	0.438	15.67	19.32	78530	78890	96830	97270	1.00	8.0	12.5	
5	0.672	4	0.501	0.20	0.197	6.70	8.43	73850	74980	92960	94380	1.20	8.0	15.0	
6	0.673	4	0.502	0.20	0.198	6.65	8.36	73290	74030	92180	93110	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

Abdul Qadir
Lahore. (80/81 L Model Town Ext Lahore)

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

Client Reference: Nil

SOM Lab

Ref: 1827 (Page-1/1)

Dated: 27-02-2023

Dated: 27-02-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	2.657	8	0.997	0.79	0.781	26.12	35.75	72910	73750	99800	100950	1.30	8.0	16.3	
2	2.657	8	0.997	0.79	0.781	26.17	35.68	73050	73900	99600	100750	1.40	8.0	17.5	
3	1.488	6	0.746	0.44	0.437	15.01	20.00	75210	75730	100250	100940	1.30	8.0	16.3	
4	1.523	6	0.755	0.44	0.448	15.01	20.00	75210	73870	100250	98460	1.40	8.0	17.5	
5	0.665	4	0.498	0.20	0.195	6.24	8.56	68800	70560	94420	96850	1.30	8.0	16.3	
6	0.665	4	0.498	0.20	0.195	6.42	8.61	70820	72640	94990	97420	1.20	8.0	15.0	
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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: S. Asad Ali Gillani

Kiran Saeed Butt
Operations Manager
AFKO Global Engineering (Pvt) Ltd.
Floor 1 & 2, Rehman Plaza,257-G4,Johar Town, Lahore.

Client Reference No.: AGE/Lhr/0123/23

Dated: 24-02-2023

SOM Lab Ref: CED/SOM/1811 (Page 1/1)

Dated: 27-02-2023

Test Type: Tensile Test

Sample Type: Hex Bolt M16x100mm

Test Specification: ASTM – F-606

Tensile Test Results

Sample No.	Sample Type	Tested Diameter of Rod/Bolt (mm)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	% Elongation
1	Hex Bolt M16x100mm	12.0	101.7	899.23	30.0

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

Test Performed by: S. Asad Ali Gillani

Kiran Saeed Butt
Operations Manager
AFKO Global Engineering (Pvt) Ltd.
Floor 1 & 2, Rehman Plaza,257-G4,Johar Town, Lahore.

Client Reference No.: AGE/Lhr/0124/23

Dated: 24-02-2023

SOM Lab Ref: CED/SOM/1823 (Page 1/1)

Dated: 27-02-2023

Test Type: Tensile Test

Sample Type: Hex Bolt M20x100mm

Test Specification: ASTM – F-606

Tensile Test Results

Sample No.	Sample Type	Tested Diameter of Rod/Bolt (mm)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	% Elongation
1	Hex Bolt M20x100mm	14.0	125.7	816.56	25.0

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

