

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/0493/24

Dated: 20-11-2024

SOM Lab Ref: CED/SOM/246 (Page 1/1)

Dated: 21-11-2024

Test Type: Tensile Test

Sample Type: Anchor Rod M12x300 Brand: Tecfi (Italy) Model: LN01

Test Specification: ASTM – F-606

Tensile Test Results

Sample No.	Sample Type	Sample Diameter before Test (mm)	Tested Diameter of Rod/Bolt (mm)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	% Elongation
1	Anchor Rod M12	12.0	9.0	43.0	676.30	20.0

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

AL-HADEED CORPORATION
 Gulberg III Lahore.(Construction of Shell F.S Yateem Khana Lahore)

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

Client Reference: AHC/780/20

SOM Lab

Ref: 247 (Page-1/1)

Dated: 21-11-2024

Dated: 21-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	1.049	5	0.626	0.31	0.308	14.32	16.56	101890	102560	117850	118610	1.40	8.0	17.5	
2	1.049	5	0.626	0.31	0.308	14.29	16.51	101680	102340	117490	118250	1.20	8.0	15.0	
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BEND TEST:

# 5	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

Jaffar Builders

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Engineer & Contractors Dera Haji Allah Wasaya.(Coca Cola Suneler Green Lahore)

Client Reference: Nil

SOM Lab

Ref:

248 (Page-1/1)

Dated: 21-11-2024

Dated:

21-11-2024

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	1.503	6	0.750	0.44	0.442	14.19	19.03	71130	70800	95400	94960	1.50	8.0	18.8	
2	0.665	4	0.498	0.20	0.195	6.54	8.84	72170	74020	97460	99960	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

Muhammad Shamroze, RE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Nespak PRSWSSP, Darya Khan. (Punjab Rural Sustainable Water Supply and Sanitation Project, Pkg-I)

Client Reference: 4608/PRSWSSP/RE/DYK/304

SOM Lab

Ref: 249 (Page-1/1)

Dated: 08-11-2024

Dated: 21-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	2.807	8	1.025	0.79	0.825	29.71	38.79	82960	79440	108280	103690	1.30	8.0	16.3	
2	2.685	8	1.002	0.79	0.789	27.22	36.29	75980	76080	101310	101440	1.20	8.0	15.0	
3	1.468	6	0.741	0.44	0.431	14.78	19.44	74090	75640	97440	99470	1.20	8.0	15.0	
4	1.464	6	0.740	0.44	0.430	14.60	19.27	73170	74870	96570	98820	1.30	8.0	16.3	
5	0.671	4	0.501	0.20	0.197	6.34	8.48	69920	70990	93530	94950	1.10	8.0	13.8	
6	0.648	4	0.492	0.20	0.190	6.52	8.63	71940	75730	95210	100220	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

Director P & D

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

King Edward Medical University Lahore.(Const Of OHR "46000 Gallon" at Girls Hostel KEMU,Lahore)

Client Reference: P&D/KEMU 951-53

SOM Lab

Ref: 250 (Page-1/1)

Dated: 21-11-2024

Dated: 21-11-2024

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	0.567	4	0.461	0.20	0.167	4.05	6.03	44630	53450	66550	79700	1.20	8.0	15.0	
2	0.563	4	0.458	0.20	0.165	4.40	6.80	48560	58860	74980	90880	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

Khurram Tariq, RE

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

NESPAK.(Resolving Traffic Congestion Issues at Serena Chowk and Convention Centre Chowk Isb)

Client Reference: SA-527/103/KTSN/01/05

SOM Lab

Ref: 251 (Page-1/1)

Dated: 11-11-2024

Dated: 21-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mughal 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	2.658	8	0.997	0.79	0.781	26.30	34.02	73420	74270	94970	96060	1.50	8.0	18.8	
2	2.662	8	0.998	0.79	0.782	26.20	34.00	73140	73890	94910	95880	1.40	8.0	17.5	
3	1.489	6	0.747	0.44	0.438	14.95	19.16	74960	75300	96060	96500	1.40	8.0	17.5	
4	1.491	6	0.747	0.44	0.438	14.88	19.27	74600	74940	96570	97010	1.30	8.0	16.3	
5	0.668	4	0.500	0.20	0.196	7.41	8.94	81720	83390	98580	100600	1.00	8.0	12.5	
6	0.670	4	0.501	0.20	0.197	7.59	8.94	83750	85020	98580	100080	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

NESPAK-RHC (J.V)

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

D G Khan.(ReConst. Of Cross Drainage Structure of Jahanpur Minor Damaged During Flood 2022)

Client Reference: 4688/13/MAB/03/31

SOM Lab

Ref: 252 (Page-1/1)

Dated: 18-11-2024

Dated: 21-11-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Prime 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	1.516	6	0.754	0.44	0.446	13.25	21.02	66430	65530	105360	103940	1.50	8.0	18.8	
2	1.511	6	0.752	0.44	0.444	12.95	20.85	64890	64310	104490	103550	1.50	8.0	18.8	
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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