

Malik Zafar Iqbal
GM Guarantee Engineers (Pvt) Ltd.(Ali Murtuza Associates,Unit-3,Lahore)

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/870 (Page-1/1)

Dated: 26-02-2025
Dated: 03-03-2025

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	3.889	25	25.11	491	495	252.00	333.70	513	510	680	675	35.0	200	17.5	
2	3.874	25	25.07	491	493	252.00	333.50	513	511	679	676	35.0	200	17.5	
3	2.222	20	18.98	314	283	140.50	186.20	447	497	593	658	32.5	200	16.3	
4	2.230	20	19.02	314	284	142.50	187.00	454	502	595	659	35.0	200	17.5	
5	0.974	12	12.57	113	124	60.00	80.70	531	484	714	651	35.0	200	17.5	
6	0.970	12	12.55	113	124	59.00	80.50	522	478	712	652	27.5	200	13.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Hammad Javeed

Test Performed By:

Dr. /Engr.

Asif Hameed

RE Jaranwala HA Consulting Jv Mascon Associates.(Const Of Model Bazar at Jaranwala)

Client Reference: 25/HAC-MAS/RE/JRW/0019

Dated: 28-02-2025

SOM Lab Ref: CED/SOM/875 (Page-1/1)

Dated: 03-03-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-F 1554

Sample Type: Anchor Bolt (20mm)

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	2.614	20	20.59	314	333	163.00	264.00	519	490	840	793	32.5	200	16.3	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Engr.Ghulam Rasool, RE

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

Nespak MCL Nishtar Zone,Lhr.(Rehb/Imp Of Streets,Sewerage,Drainage at Village Theht UC-241)

Client Reference: 4084/103/LDP/NZ/04/212

Dated: 11-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 869 (Page-1/1)

Dated: 03-03-2025

ASTM-A-615

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	0.664	4	0.498	0.20	0.195	8.18	9.40	90150	92460	103640	106300	0.60	8.0	7.5	
2	0.673	4	0.502	0.20	0.198	8.66	10.27	95550	96510	113200	114340	0.70	8.0	8.8	
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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

Muhammad Aman Ullah, RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

NESPAK Lahore.(Construction of Masjid in Block-C, Jinnah Sector LDA City,Lahore)

Client Reference: 4047/13/MA/04/539

Dated: 27-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 871 (Page-1/1)

Dated: 03-03-2025

ASTM-A-615

Deformed Bar (Markhor 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	1.497	6	0.748	0.44	0.440	13.43	18.78	67290	67290	94120	94120	1.20	8.0	15.0	
2	1.494	6	0.748	0.44	0.439	13.61	18.93	68210	68370	94880	95100	1.30	8.0	16.3	
3	0.582	4	0.467	0.20	0.171	6.14	7.85	67670	79150	86560	101230	0.80	8.0	10.0	
4	0.579	4	0.465	0.20	0.170	6.12	7.75	67450	79350	85430	100510	0.80	8.0	10.0	
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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

Mohsin Abbas

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

QAQC Manager Zameen Development.(Const. Of Phoenix Project by Zameen Development,Lahore)

Client Reference: ZD/QAQC/Phoenix/11

Dated: 03-03-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 872 (Page-1/1)

Dated: 03-03-2025

ASTM-A-615

Def. 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	0.668	4	0.500	0.20	0.196	6.54	8.89	72170	73640	98020	100020	1.30	8.0	16.3	H # 34
2	0.661	4	0.497	0.20	0.194	6.32	8.77	69700	71850	96670	99660	1.00	8.0	12.5	H # 34
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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

Mohsin Abbas

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

QAQC Manager Zameen Development.(Const. Of ARX Project by Zameen Development,Lahore)

Client Reference: ZD/QAQC/DC013220/ARX/05

Dated: 03-03-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 873 (Page-1/1)

Dated: 03-03-2025

ASTM-A-615

Def. 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	2.658	8	0.997	0.79	0.781	25.10	35.65	70070	70870	99520	100670	1.30	8.0	16.3	H# 129
2	2.657	8	0.997	0.79	0.781	25.10	35.39	70070	70870	98810	99950	1.50	8.0	18.8	H# 129
3	2.647	8	0.995	0.79	0.778	25.40	35.14	70920	72010	98100	99610	1.20	8.0	15.0	H# 130
4	2.654	8	0.997	0.79	0.780	28.87	38.45	80590	81630	107340	108720	1.40	8.0	17.5	H# 130
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BEND TEST:

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

Mohsin Abbas

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

QAQC Manager Zameen Development.(Const. Of JADE Project by Zameen Development,Lahore)

Client Reference: ZD/QAQC/DC013227/JADE/01

Dated: 03-03-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 874 (Page-1/1)

Dated: 03-03-2025

ASTM-A-615

Def. 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	1.476	6	0.743	0.44	0.434	14.22	19.93	71280	72270	99890	101270	1.20	8.0	15.0	H # 94
2	1.460	6	0.739	0.44	0.429	13.17	18.86	66020	67710	94530	96950	1.30	8.0	16.3	H # 94
3	1.466	6	0.741	0.44	0.431	13.53	19.34	67810	69220	96930	98950	1.30	8.0	16.3	H # 99
4	1.467	6	0.741	0.44	0.431	14.17	19.78	71020	72510	99130	101200	1.20	8.0	15.0	H # 99
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 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