

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector G)

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

Client Reference: 111/15/AD/RS/Pkg-2B/1567

SOM Lab

Ref: 2098 (Page-1/1)

Dated: 14-04-2023

Dated: 17-04-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Plain Steel Rungs

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	22.27	34.88	62180	62820	97380	98380	1.70	8.0	21.3	
2	2.642	8	0.994	0.79	0.776	21.97	34.51	61330	62440	96330	98070	1.80	8.0	22.5	
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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

Ahmar Khalil, PM

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

Takmeel Square (Pvt.) Ltd.Villa # 30 (12M) DHA Bwp.(Civil Infrastructure Development Works)

SOM Lab

Client Reference: TS/0028/Engr/104

Ref: 2100 (Page-1/1)

Dated: 12-04-2023

Dated: 17-04-2023

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	1.507	6	0.751	0.44	0.443	14.34	19.22	71890	71410	96320	95660	1.40	8.0	17.5	
2	1.507	6	0.751	0.44	0.443	14.85	19.29	74450	73940	96670	96020	1.20	8.0	15.0	
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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

Taimoor Kharsheed, Exec Dir
 ULFAT GREEN City,Lahore.(Const Of Masjid Jamal e Mustafa)

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

Client Reference: DEV-13/002/043

SOM Lab

Ref: 2103 (Page-1/1)

Dated: 13-04-2023

Dated: 17-04-2023

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	2.673	8	1.000	0.79	0.786	24.38	32.26	68070	68420	90070	90530	1.60	8.0	20.0	
2	2.669	8	0.999	0.79	0.784	24.23	32.13	67650	68160	89700	90390	1.40	8.0	17.5	
3	1.496	6	0.748	0.44	0.440	13.99	19.42	70100	70100	97340	97340	1.20	8.0	15.0	
4	1.503	6	0.750	0.44	0.442	13.88	19.42	69590	69280	97340	96900	1.20	8.0	15.0	
5	0.673	4	0.502	0.20	0.198	5.96	8.00	65760	66430	88240	89130	1.40	8.0	17.5	
6	0.670	4	0.501	0.20	0.197	5.88	7.97	64860	65850	87910	89240	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

Sohail Anjum

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Project Manager MS Tower, G4, Lahore (Const of MS Tower At Plot 450,451 Johar Town Lahore)

Client Reference: MST/BCC/UET/2023/S-016

SOM Lab

Ref: 2104 (Page-1/1)

Dated: 17-04-2023

Dated: 17-04-2023

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	1.551	6	0.762	0.44	0.456	16.08	19.85	80580	77750	99480	95990	1.30	8.0	16.3	
2	1.502	6	0.749	0.44	0.441	16.48	19.78	82620	82430	99130	98900	1.30	8.0	16.3	
3	0.669	4	0.501	0.20	0.197	6.68	9.07	73630	74750	100050	101570	1.20	8.0	15.0	
4	0.668	4	0.500	0.20	0.196	6.93	9.14	76440	78000	100830	102890	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

Mohsin Abbas Zd

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

QAQC Manager Zameen Dev,(Construction Of Zameen Aurum at Plot No.15 Block L,Gulberg-III Lhr)

Client Reference: ZD/QAQC/02

SOM Lab

Ref: 2105 (Page-1/1)

Dated: 12-04-2023

Dated: 17-04-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Kamran 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	0.669	4	0.501	0.20	0.197	5.81	7.90	64080	65050	87120	88450	1.00	8.0	12.5	
2	0.669	4	0.501	0.20	0.197	5.96	8.02	65760	66760	88470	89810	1.00	8.0	12.5	
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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

Creative Constructors
Gulberg Lahore.(Starch Pack Kasur)

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

Client Reference: Nil

SOM Lab

Ref: 2106 (Page-1/1)

Dated: 12-04-2023

Dated: 17-04-2023

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	1.482	6	0.745	0.44	0.436	14.70	19.29	73680	74360	96670	97560	1.10	8.0	13.8	
2	1.494	6	0.748	0.44	0.439	14.70	19.29	73680	73850	96670	96890	1.20	8.0	15.0	
3	0.659	4	0.497	0.20	0.194	6.65	8.72	73290	75560	96110	99080	1.30	8.0	16.3	
4	0.655	4	0.494	0.20	0.192	6.68	8.63	73630	76700	95210	99180	1.20	8.0	15.0	
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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

Ilyas Majeed Sheikh

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Chairman Eagle Dev.(Dream Galleria Lahore) (Project Of Dream Galleria,Dream Garden,Lahore)

Client Reference: Nil

SOM Lab

Ref: 2107 (Page-1/1)

Dated: 17-04-2023

Dated: 17-04-2023

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	2.564	8	0.980	0.79	0.754	19.72	30.73	55070	57700	85800	89900	1.50	8.0	18.8	
2	1.511	6	0.752	0.44	0.444	14.02	17.74	70260	69620	88910	88110	1.30	8.0	16.3	
3	0.675	4	0.502	0.20	0.198	6.49	8.18	71610	72330	90150	91060	1.00	8.0	12.5	
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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

Muhammad Waqas
 Manager Civil, Shangrila Foods (Pvt) Ltd. Karachi

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

Client Reference: Nil

SOM Lab Ref:

2099 (Page-

1/1)

Dated: 17-04-2023

Dated:

17-04-2023

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.990	25	25.43	491	508	253.50	351.20	516	500	715	692	32.5	200	16.3	
2	3.921	25	25.22	491	500	238.70	339.50	486	478	691	680	35.0	200	17.5	
3	2.183	20	18.82	314	278	134.70	174.50	429	485	556	628	32.5	200	16.3	
4	2.226	20	19.00	314	284	141.00	179.20	449	498	571	632	32.5	200	16.3	
5	1.000	12	12.74	113	127	68.50	93.20	606	538	825	732	30.0	200	15.0	
6	0.998	12	12.73	113	127	62.50	85.00	553	492	752	669	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

Test Performed by: S. Asad Ali Gillani

Sheikh Younis & Sons Constructions
MM Alam Road Gulberg III Lahore.

Client Reference No.: Nil

Dated: 17-04-2023

SOM Lab Ref: CED/SOM/2101 (Page 1/1)

Dated: 17-04-2023

Test Type: Tensile Test

Sample Type: Threaded Rod (Bolt 12mm)

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)	Percentage Elongations	Remarks
1	Threaded Rod (Bolt 12mm)	12.0	68.0	601	5.0	---

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

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

Kamran Tahir Sandhu

ME DHA Multan.(Electrical Infrastructure Development Sector V,T and N (M/S FESCON)

Client Reference: 701/92/Planning/DHA

Dated: 14-04-2023

SOM Lab Ref: CED/SOM/2102(Page-1/1)

Dated: 17-04-2023

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: Anchor- Bolt (J-Shaped)

Gauge Length: 200 mm

S.No.	Diameter	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area (%)
	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	
1	25	490.87	185.7	277.0	378.5	564.6	57.5	200	28.8	44.6
2	25	490.87	176.0	248.7	358.7	506.9	60.0	200	30.0	44.6
3	25	490.87	187.7	275.7	382.6	561.9	57.5	200	28.8	42.2

Note:-

Only Three Samples
Received and Tested

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



