

Sub Divisional officer,
BSD Quaidabad.(Const Of B/Wall at Extension Of Judicial Complex)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: 597/2

SOM Lab

Ref: 2423 (Page-1/1)

Dated: 16-02-2023

Dated: 13-06-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	0.675	4	0.502	0.20	0.198	6.54	8.23	72170	72900	90720	91630	1.30	8.0	16.3	
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BEND TEST:

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

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

Engr. Naveed Sadiq
RE Orbit Housing.Lahore.(The Springs Apartment Homes)

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

Client Reference: Nil

Dated: 13-06-2023

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2424 (Page-1/1)

Dated: 13-06-2023

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	2.644	8	0.995	0.79	0.777	25.05	36.77	69920	71090	102650	104370	1.40	8.0	17.5	
2	2.648	8	0.995	0.79	0.778	25.28	36.70	70580	71670	102450	104030	1.50	8.0	18.8	
3	1.464	6	0.740	0.44	0.430	12.49	17.58	62590	64050	88140	90190	1.40	8.0	17.5	
4	1.464	6	0.740	0.44	0.430	12.74	17.81	63870	65360	89260	91340	1.40	8.0	17.5	
5	0.660	4	0.497	0.20	0.194	6.78	8.94	74750	77070	98580	101630	1.20	8.0	15.0	
6	0.656	4	0.496	0.20	0.193	6.60	8.92	72730	75370	98360	101930	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

Zafar Iqbal

Test Performed By: Dr. /Engr.

Nauman
Khurram

PM United LifeStyle Pvt. Ltd.(Sky Scrapers By United at Johar Town Lahore)

SOM Lab

Client Reference: ULS/2021-22-23/039

Ref: 2425 (Page-1/1)

Dated: 13-06-2023

Dated: 13-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.65 2	8	0.99 6	0.7 9	0.77 9	26.47	34.30	73910	74950	95760	97110	1.5 0	8. 0	18. 8	
2	2.65 9	8	0.99 7	0.7 9	0.78 1	26.61	34.56	74280	75130	96470	97590	1.2 0	8. 0	15. 0	
3	1.45 8	6	0.73 8	0.4 4	0.42 8	14.39	18.73	72150	74170	93860	96490	1.5 0	8. 0	18. 8	
4	1.48 1	6	0.74 4	0.4 4	0.43 5	15.49	19.59	77670	78560	98210	99330	1.5 0	8. 0	18. 8	
5	0.67 4	4	0.50 2	0.2 0	0.19 8	5.50	8.38	60700	61320	92400	93330	1.2 0	8. 0	15. 0	
6	0.67 1	4	0.50 1	0.2 0	0.19 7	5.42	8.21	59800	60710	90490	91870	1.1 0	8. 0	13. 8	
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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

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: 2427 (Page-1/2)

Dated: 13-06-2023

Dated: 13-06-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed

Gauge Length: 8 h

Sample Type:

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	1.512	6	0.752	0.44	0.44	13.32	17.74	66780	66180	88910	88110	1.40	8.0	17.5	
2	1.504	6	0.750	0.44	0.442	13.68	18.50	68570	68260	92740	92320	1.10	8.0	13.8	
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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

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

Dated: 13-06-2023

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2427 (Page-2/2)

Dated: 13-06-2023

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	0.669	4	0.501	0.20	0.197	6.54	8.46	72170	73270	93300	94720	1.00	8.00	12.5	
2	0.672	4	0.501	0.20	0.197	6.09	7.59	67110	68130	83750	85020	1.00	8.00	12.5	
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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

Ilyas Majeed Sheikh

Test Performed By: Dr. /Engr. Wasim Abbas

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

Client Reference: Nil

SOM Lab

Dated: 13-06-2023

Ref: 2428 (Page-1/1)

Test: Tension Test & Bend Test
inc

Test Specification:

Dated: 13-06-2023

ASTM-A-615

Gauge Length: 8 h

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	0.670	4	0.501	0.20	0.197	6.65	8.53	73290	74410	94090	95520	1.40	8.0	17.5	
2	0.671	4	0.501	0.20	0.197	6.68	8.69	73630	74750	95770	97230	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 Asif

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

PM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberg-III,Lahore)

Client Reference: IMP/PM/66/04/77

SOM Lab

Ref: 2430 (Page-1/2)

Dated: 13-06-2023

Dated: 13-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	0.67 2	4	0.50 1	0.20	0.19 7	6.93	9.48	76440	77600	10454 0	10613 0	1.2 0	8. 0	15. 0	
2	0.67 2	4	0.50 1	0.20	0.19 7	7.05	9.58	77790	78970	10567 0	10727 0	1.1 0	8. 0	13. 8	
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Witnessed By: Husnain Imran, Site Engineer (Imperium Developers)

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 Asif

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

PM Imperium Developers, Lahore. (Const Of Sixty6 at Gulberg-III, Lahore)

Client Reference: IMP/PM/66/04/78

SOM Lab

Ref: 2430 (Page-2/2)

Dated: 13-06-2023

Dated: 13-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.653	8	0.997	0.79	0.780	24.62	33.94	68730	69610	94770	95980	1.50	8.0	18.8	
2	2.666	8	0.998	0.79	0.783	24.57	34.61	68590	69200	96620	97480	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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Witnessed By: Husnain Imran, Site Engineer (Imperium Developers)

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

Executive Engineer

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

Highway Div Okara.(Rehb Of Depalpur -Haveli Lakha Rd Via Bhuman Shah & Wasawawala)

Client Reference: 106/CB

SOM Lab

Ref: 2431 (Page-1/1)

Dated: 19-05-2023

Dated: 13-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deform/Plain 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	2.830	8	1.029	0.79	0.832	17.79	26.83	49660	47160	74900	71120	1.80	8.0	22.5	Plain
2	1.595	6	0.773	0.44	0.469	13.58	20.31	68060	63850	101780	95490	1.40	8.0	17.5	Plain
3	0.671	4	0.501	0.20	0.197	5.17	7.39	56990	57860	81500	82740	1.40	8.0	17.5	Deform
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BEND TEST:

# 8	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	
# 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

Engr. Muhammad Imran
Site Engr. S.Mehboob & Company Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: SMC/CarreFour/Lhr/DHA-PH-07/04

SOM Lab

Ref: 2432 (Page-1/1)

Dated: 12-06-2023

Dated: 13-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.637	8	0.993	0.79	0.775	24.92	34.30	69580	70930	95760	97620	1.50	8.0	18.8	
2	2.640	8	0.994	0.79	0.776	24.74	34.12	69070	70320	95250	96970	1.60	8.0	20.0	
3	2.621	8	0.990	0.79	0.770	24.74	34.12	69070	70860	95250	97720	1.40	8.0	17.5	
4	1.508	6	0.751	0.44	0.443	12.79	18.40	64130	63690	92230	91600	1.50	8.0	18.8	
5	1.511	6	0.752	0.44	0.444	13.20	18.35	66170	65570	91970	91140	1.60	8.0	20.0	
6	1.498	6	0.748	0.44	0.440	12.97	18.32	65000	65000	91820	91820	1.60	8.0	20.0	
7	0.654	4	0.494	0.20	0.192	6.65	8.36	73290	76350	92180	96020	1.20	8.0	15.0	
8	0.648	4	0.492	0.20	0.190	6.70	8.36	73850	77740	92180	97030	1.30	8.0	16.3	
9	0.654	4	0.494	0.20	0.192	6.68	8.36	73630	76700	92180	96020	1.50	8.0	18.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve 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: Dr. /Engr. S. Asad Ali Gillani

Kamran Tahir Sandhu

ME DHA Multan.(Electrification Of PC-02)(M/S UMQ)

Client Reference: 701/92/Planning/DHA

Dated: 13-06-2023

SOM Lab Ref: CED/SOM/2433(Page-1/2)

Dated: 13-06-2023

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: Anchor- Bolt (L-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 (L 1180mm)	491	189.50	271.20	386	552	47.5	200	23.8	46.4
2	25 (L 1180mm)	491	186.50	269.50	380	549	40.0	200	20.0	44.6
3	25	491	188.50	270.20	384	550	40.0	200	20.0	34.7

	(L 1180mm)									
										Note:-
										Only Three Samples Received and Tested
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk										

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

Kamran Tahir Sandhu

ME DHA Multan.(Electrification Of PC-02)(M/S UMQ)

Client Reference: 701/92/Planning/DHA

Dated: 13-06-2023

SOM Lab Ref: CED/SOM/2433(Page-2/2)

Dated: 13-06-2023

Sample Type: Nut (Dia 25mm)

Test Type: Hardness Test

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine

(Minor Load: 10 Kgf Major Load: 90.0 kgf Scale: B)

Hardness Test Results

Sample No.	Sample Type	Hardness (avg)
1	Nut	HR – 78.0 – B
2	Nut	HR – 80.3 – B
3	Nut	HR – 79.1 – B

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

