

**Test Performed By:** Dr Asad Ali Gillani

Engr. Anees Ahmed  
Asstt: Resident Engineer  
Indus Associate Consultant (JV)  
Mianwali.  
(Rehb and Improvement of Balkassar – Mianwali Pkg # 03)

**Client Reference:** RE/IAC/N 130/2024/080

Dated: 03-09-2024

**SOM Laboratory Reference:** CED/SOM/4761(Page-1/1)

Dated: 09-09-2024

**Test:** Compressive Strength Tests

**Sample Type:** Cat Eyes (Yellow)

**Test Results**

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	Cat Eyes (Yellow)	69.8 x 40.5	99.7 x 99.8	19.5	28.54°	18471

**Note:** Please always confirm the results of above report on web: [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Waqas Ahmed Ghumman,PM

Test Performed By:

Dr. /Engr.

Asad Ali G

High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Client Reference: QC/HQ/CIVIL/232

Dated: 09-09-20

SOM Lab Ref: CED/SOM/4764 (Page-1/1)

Dated: 09-09-20

Test: Tension Test & Bend Test

Test Specification: ASTM-A 6

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
		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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%
1	4.025	25	25.56	398	513	277.70	373.00	698	542	938	728	32.5	200	16.3
2	4.137	25	25.90	398	527	257.20	346.20	647	489	871	657	35.0	200	17.5
3	2.441	20	19.90	314	311	156.50	211.50	498	504	673	681	32.5	200	16.3
4	2.502	20	20.14	314	319	161.00	217.20	512	506	691	682	30.0	200	15.0
5	1.527	16	15.74	201	195	100.50	135.00	500	517	671	694	30.0	200	15.0
6	1.520	16	15.70	201	194	105.00	139.50	522	543	694	721	30.0	200	15.0
7	0.885	12	11.98	113	113	55.50	77.00	491	493	681	683	30.0	200	15.0
8	0.882	12	11.96	113	112	54.50	76.50	482	486	676	681	30.0	200	15.0
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**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	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](http://www.uet-civil.edu.pk)

Meezan Developers  
Lahore.(Const Of Jamia Tur Rasheed Lahore Campus)

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

Client Reference: Nil  
Dated: 09-09-2024

SOM Lab  
Ref: 4759 (Page-1/1)  
Dated: 09-09-2024

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

Test Specification: ASTM-A-615  
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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.577	8	0.982	0.79	0.757	26.96	34.02	75270	78550	94970	99110	1.30	8.0	16.3	
2	2.586	8	0.984	0.79	0.760	26.83	34.00	74900	77860	94910	98650	1.40	8.0	17.5	
3	1.469	6	0.742	0.44	0.432	14.85	18.50	74450	75830	92740	94460	1.30	8.0	16.3	
4	1.463	6	0.740	0.44	0.430	14.73	18.35	73830	75550	91970	94110	1.20	8.0	15.0	
5	0.654	4	0.494	0.20	0.192	7.36	9.07	81160	84540	100050	104210	1.20	8.0	15.0	
6	0.655	4	0.494	0.20	0.192	7.16	8.99	78910	82200	99150	103280	0.90	8.0	11.3	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Raheel Ihtisham  
Site Engineer Residential House In Lahore.

Test Performed By: Dr. /Engr. Irfan Ul Hassan

Client Reference: Nil

Dated: 09-09-2024

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4760 (Page-1/1)

Dated: 09-09-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.486	6	0.746	0.44	0.437	17.74	22.02	88910	89520	110370	111120	1.20	8.0	15.0	
2	1.484	6	0.745	0.44	0.436	17.23	21.40	86350	87140	107250	108230	1.30	8.0	16.3	
3	0.641	4	0.489	0.20	0.188	6.70	8.36	73850	78570	92180	98060	1.10	8.0	13.8	
4	0.645	4	0.492	0.20	0.190	6.42	8.43	70820	74550	92960	97860	1.10	8.0	13.8	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Yasir Ahmad  
GM-Works FF Steel Lahore.

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

Client Reference: Nil  
Dated: 03-09-2024

SOM Lab  
Ref: 4762 (Page-1/1)  
Dated: 09-09-2024

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

Test Specification: ASTM-A-615  
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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.031	5	0.621	0.31	0.303	10.04	13.37	71440	73090	95150	97350	1.10	8.0	13.8	1
2	1.026	5	0.620	0.31	0.302	9.99	13.43	71070	72960	95510	98040	1.20	8.0	15.0	2
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engr. Hassan Mehmood

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

RE G3 Engg Consult.(Const.of DHA Newlife Residency Appartments at 273/1Q Block Ph-II DHA.Lhr)

**Client Reference:** G3/DHA-NLD/RE/258

**SOM Lab**

**Ref:** 4763 (Page-1/1)

**Dated:** 09-09-2024

**Dated:** 09-09-2024

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (Moiz 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.666	8	0.998	0.79	0.783	24.33	34.00	67930	68540	94910	95760	1.50	8.0	18.8	
2	2.655	8	0.997	0.79	0.780	24.21	33.91	67590	68460	94680	95890	1.50	8.0	18.8	
3	2.644	8	0.995	0.79	0.777	23.01	33.28	64230	65310	92920	94470	1.50	8.0	18.8	
4	1.489	6	0.747	0.44	0.438	13.30	18.67	66680	66990	93610	94030	1.40	8.0	17.5	
5	1.491	6	0.747	0.44	0.438	13.40	18.71	67190	67500	93760	94190	1.40	8.0	17.5	
6	1.525	6	0.755	0.44	0.448	13.68	19.24	68570	67350	96420	94700	1.40	8.0	17.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine 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](http://www.uet-civil.edu.pk)