

**Test Performed By:** S. Asad Ali Gillani

M Ali Ghaffar  
GM MRC  
Muhammad Ramzan Construction Engineers & Contractors  
Lahore.

**Client Reference:** Nil

Dated: 07-06-2024

**SOM Laboratory Reference:** CED/SOM/4299(Page-1/1)

Dated: 07-06-2024

**Test:** Compressive Strength Tests

**Sample Type:** Cat Eye Yellow (3MS)

### Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	Cat Eye (Yellow)	69.5 x 42.2	102.5 x 88.7	19.2	31.05°	7951
2	Cat Eye (Yellow)	69.0 x 41.9	102.4 x 88.3	19.0	30.74°	8272

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

M. Tariq Shahzad

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Exec Dir Projects, The Lake City Developers (Pvt) Ltd Lahore.

Client Reference: DTLC/Test/HS/062

Dated: 06-06-2024

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

4290 (Page-1/3)

Dated:

07-06-2024

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	0.659	4	0.497	0.20	0.194	6.01	8.99	66320	68370	99150	102210	1.30	8.0	16.3	HS
2	0.657	4	0.496	0.20	0.193	6.12	8.99	67450	69890	99150	102740	1.30	8.0	16.3	HS
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three 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)

M. Tariq Shahzad  
Exec Dir Projects, The Lake City Developers (Pvt) Ltd Lahore.

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

**Client Reference:** DTLC/Test/HS/063

**SOM Lab**

**Ref:** 4290 (Page-2/3)

**Dated:** 06-06-2024

**Dated:** 07-06-2024

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar

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	1.482	6	0.745	0.44	0.436	14.95	19.88	74960	75650	99640	100550	1.30	8.0	16.3	HS
2	1.482	6	0.745	0.44	0.436	14.44	20.05	72400	73070	100500	101430	1.30	8.0	16.3	HS
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three 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)

M. Tariq Shahzad  
 Exec Dir Projects, The Lake City Developers (Pvt) Ltd Lahore.

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

**Client Reference:** DTLC/Test/HS/064

**SOM Lab**

**Ref:** 4290 (Page-3/3)

**Dated:** 06-06-2024

**Dated:** 07-06-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.677	8	1.001	0.79	0.787	24.16	33.33	67450	67700	93060	93410	1.70	8.0	21.3	HS
2	2.686	8	1.002	0.79	0.789	22.63	32.44	63180	63260	90550	90670	1.80	8.0	22.5	HS
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three 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)

Allied Bank

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

Unit Head PMO ABL-UML-P#199-200.(Const Of ABL Upper Mall Lahore Plot No 199,200)

Client Reference: ABL-UML-AMC-QAQC-81

SOM Lab

Ref: 4291 (Page-1/1)

Dated: 07-06-2024

Dated: 07-06-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.606	8	0.988	0.79	0.766	25.43	34.05	71000	73230	95050	98030	1.50	8.0	18.8	
2	2.561	8	0.979	0.79	0.753	24.92	33.13	69580	73000	92490	97030	1.40	8.0	17.5	
3	1.471	6	0.742	0.44	0.432	14.42	19.24	72300	73640	96420	98200	1.20	8.0	15.0	
4	1.488	6	0.746	0.44	0.437	15.16	19.98	75980	76500	100150	100830	1.20	8.0	15.0	
5	1.030	5	0.621	0.31	0.303	9.73	12.69	69260	70860	90290	92380	1.30	8.0	16.3	
6	1.023	5	0.619	0.31	0.301	9.70	12.76	69040	71110	90800	93510	1.50	8.0	18.8	
7	0.661	4	0.497	0.20	0.194	6.80	8.82	74980	77300	97230	100240	1.30	8.0	16.3	
8	0.668	4	0.500	0.20	0.196	6.95	9.12	76660	78230	100610	102660	1.20	8.0	15.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	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)

Niamat Ullah Khan, PM/RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Osmani & Compny EDCS, Pakpattan. (PRSWSSP Cluster Central II)

Client Reference: PM/OCL/PRSWSSP/EDCS/Pkg-08/24/06

SOM Lab

Ref:

4292 (Page-1/1)

Dated: 29-05-2024

Dated:

07-06-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.676	8	1.000	0.79	0.786	22.22	36.19	62040	62360	101030	101540	1.30	8.0	16.3	
2	2.678	8	1.001	0.79	0.787	23.26	33.23	64940	65190	92770	93130	1.40	8.0	17.5	
3	1.504	6	0.750	0.44	0.442	13.91	18.67	69750	69430	93610	93180	1.20	8.0	15.0	
4	1.501	6	0.749	0.44	0.441	15.16	20.08	75980	75810	100660	100430	1.30	8.0	16.3	
5	0.670	4	0.501	0.20	0.197	6.44	8.94	71040	72130	98580	100080	1.20	8.0	15.0	
6	0.671	4	0.501	0.20	0.197	6.19	8.53	68230	69270	94090	95520	1.10	8.0	13.8	
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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)

Waheed Ahmad

Project Manager Stabilis Education System (Pvt) Ltd.(My Scarsdale International Campus Project)

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

**Client Reference:** Nil

**Dated:** 07-06-2024

**Test:** Tension Test & Bend Test

**Gauge Length:** 8 inch

**Test Specification:**

**Sample Type:**

**SOM Lab**

**Ref:** 4293 (Page-1/1)

**Dated:** 07-06-2024

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	1.557	6	0.764	0.44	0.458	13.53	20.92	67810	65140	104850	100730	1.60	8.0	20.0	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<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)

S.D. Khalid Bajwa

Test Performed By:

Dr. /Engr. Asad Ali Gillani

HOD Design & Const Deptt-HO City School (Pvt) Ltd.(Project-Iqbal Campus Sialkot Ph-II)

Client Reference: TCS/D&C/HO/001/SKT/2025

SOM Lab

Ref: 4294 (Page-1/1)

Dated: 06-06-2024

Dated: 07-06-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.651	8	0.996	0.79	0.779	25.50	35.24	71200	72210	98380	99770	1.30	8.0	16.3	
2	2.665	8	0.998	0.79	0.783	25.71	35.47	71770	72410	99030	99920	1.30	8.0	16.3	
3	1.527	6	0.756	0.44	0.449	14.98	20.15	75110	73610	101020	98990	1.30	8.0	16.3	
4	1.530	6	0.757	0.44	0.450	15.31	20.51	76750	75040	102800	100520	1.20	8.0	15.0	
5	0.665	4	0.498	0.20	0.195	6.09	8.31	67110	68830	91610	93960	1.30	8.0	16.3	
6	0.671	4	0.501	0.20	0.197	6.60	8.87	72730	73840	97800	99290	1.00	8.0	12.5	
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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	
# 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)



Muhammad Arfat,RE

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

ACE-Arts (Consultants) UAEET Sambrial,Sialkot.(Estb Of UAEET Sambrial,Sialkot)

Client Reference: ER/UAEET/ACE/ME/2024/21

SOM Lab

Ref: 4295 (Page-1/1)

Dated: 07-06-2024

Dated: 07-06-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.703	8	1.005	0.79	0.794	24.94	33.79	69640	69290	94340	93860	1.40	8.0	17.5	H # 983
2	2.705	8	1.006	0.79	0.795	25.56	34.40	71350	70900	96050	95440	1.50	8.0	18.8	H # 983
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three 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)

Maj Ghulam Abbas  
For ADH (QA) Centre Lahore.

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

**Client Reference:** 24501/HD/Lab

**SOM Lab**

**Ref:** 4296 (Page-1/1)

**Dated:** Jun 2024

**Dated:** 07-06-2024

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (AK Supreme)

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	1.025	5	0.619	0.31	0.301	9.96	12.81	70860	72970	91160	93890	1.10	8.0	13.8	
2	1.039	5	0.623	0.31	0.305	8.99	12.00	63970	65020	85360	86760	1.00	8.0	12.5	
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**BEND TEST:**

# 5	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three 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)

Muhammad Shahzad Anwar

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

RE Nespak.(Kotla Mosa Khan To Kachi Mor Ans Flyover at Dirdus Cinema Phatak,Distt Bahawalpur)

Client Reference: RE/MSA/BWP/25

SOM Lab

Ref: 4297 (Page-1/1)

Dated: 30-05-2024

Dated: 07-06-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.669	8	0.999	0.79	0.784	22.68	32.26	63320	63810	90070	90760	1.40	8.0	17.5	
2	2.672	8	1.000	0.79	0.785	22.40	32.28	62520	62920	90130	90700	1.40	8.0	17.5	
3	1.502	6	0.749	0.44	0.441	14.53	20.31	72810	72650	101780	101550	1.30	8.0	16.3	
4	1.507	6	0.751	0.44	0.443	14.53	18.86	72810	72320	94530	93890	1.30	8.0	16.3	
5	1.044	5	0.625	0.31	0.307	10.65	13.22	75790	76530	94060	94980	1.10	8.0	13.8	
6	1.056	5	0.628	0.31	0.310	10.50	13.30	74700	74700	94640	94640	1.20	8.0	15.0	
7	0.669	4	0.501	0.20	0.197	5.61	8.18	61830	62770	90150	91530	1.20	8.0	15.0	
8	0.667	4	0.500	0.20	0.196	5.45	8.21	60140	61370	90490	92340	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	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)

Ahsan Munir  
Project Manager Ansaar Management Company (Pvt) Ltd. Lahore

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

**Client Reference:** AMC/BHS/001

**SOM Lab**

**Ref:** 4298 (Page-1/1)

**Dated:** 16-06-2024

**Dated:** 07-06-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.542	8	0.975	0.79	0.747	21.87	35.44	61040	64560	98950	104650	1.50	8.0	18.8	
2	2.549	8	0.977	0.79	0.749	21.99	35.42	61390	64750	98890	104310	1.30	8.0	16.3	
3	1.464	6	0.740	0.44	0.430	13.93	22.53	69850	71470	112920	115550	1.10	8.0	13.8	
4	1.477	6	0.743	0.44	0.434	14.14	22.83	70870	71850	114450	116040	1.20	8.0	15.0	
5	0.666	4	0.500	0.20	0.196	5.93	9.23	65420	66760	101730	103810	1.20	8.0	15.0	
6	0.668	4	0.500	0.20	0.196	5.93	9.28	65420	66760	102290	104380	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**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)

