

Waqas Ahmed

**Test Performed By:**

Dr. /Engr.

Asad Ali Gillani

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

**Client Reference:** QC/HQ/CIVIL/199

**Dated:** 25-03-2024

**SOM Lab Ref:** CED/SOM/3855(Page-1/1)

**Dated:** 25-03-2024

**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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.431	20	19.87	314	310	158.50	214.20	505	512	682	691	32.5	200	16.3	
2	2.458	20	19.97	314	313	163.00	220.00	519	521	700	703	30.0	200	15.0	
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**BEND TEST:**

20mm	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)

Farrukh Nadeem,PM

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

Innovative ® Construction Company Lahore.(Project: Shoring Works at Kingdom area,RUDA Lahore)

**Client Reference:** ICL/KA/PW/0324/04

**SOM Lab**

**Ref:** 3852 (Page-1/1)

**Dated:** 25-03-2024

**Dated:** 25-03-2024

**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	2.609	8	0.988	0.79	0.767	25.23	35.75	70440	72550	99800	102800	1.30	8.0	16.3	
2	2.618	8	0.990	0.79	0.769	25.18	35.78	70290	72210	99890	102620	1.40	8.0	17.5	
3	1.493	6	0.748	0.44	0.439	14.34	19.80	71890	72060	99230	99450	1.20	8.0	15.0	
4	1.503	6	0.750	0.44	0.442	14.90	20.20	74700	74360	101270	100810	1.30	8.0	16.3	
5	1.023	5	0.619	0.31	0.301	9.99	13.43	71070	73200	95510	98370	1.40	8.0	17.5	
6	1.019	5	0.617	0.31	0.299	9.73	13.30	69260	71810	94640	98120	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	
# 5	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)

Zafar Alam, PD SIE

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

Punjab Industrial Estates Lahore (Const.For Boundary Wall at Sundar Industrial Estate)

**Client Reference:** PIE/SIE/BWL/0619

**SOM Lab**

**Ref:** 3853(Page-1/1)

**Dated:** 21-03-2024

**Dated:** 25-03-2024

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (Hunza 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	0.662	4	0.498	0.20	0.195	6.03	8.94	66550	68250	98580	101110	1.10	8.0	13.8	
2	0.664	4	0.498	0.20	0.195	5.91	8.94	65200	66870	98580	101110	1.20	8.0	15.0	
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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-Ashraf Javaid

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Project Incharge Ijaz Cotton Pvt Ltd.(Ijaz Cotton at 34KM Nabi Baksh Derozpur Road Lahore)

Client Reference: MST./G Floor Lantor+Beam&FF Coulmn`s

SOM Lab

Ref: 3854 (Page-1/1)

Dated: 25-03-2024

Dated: 25-03-2024

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	2.592	8	0.985	0.79	0.762	23.55	32.90	65740	68160	91840	95210	1.40	8.0	17.5	
2	2.584	8	0.983	0.79	0.759	22.78	32.39	63610	66200	90410	94100	1.50	8.0	18.8	
3	1.475	6	0.743	0.44	0.433	12.90	19.06	64640	65680	95550	97090	1.60	8.0	20.0	
4	1.470	6	0.742	0.44	0.432	13.00	19.13	65150	66350	95910	97680	1.50	8.0	18.8	
5	0.675	4	0.502	0.20	0.198	6.60	8.72	72730	73470	96110	97080	1.40	8.0	17.5	
6	0.669	4	0.501	0.20	0.197	6.57	8.66	72510	73610	95550	97000	1.60	8.0	20.0	
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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)

M Sabir Khan, Admin Manager

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Linker Developers.(Construction Of Quaid-E-Azam Public School Dream Garden Wazirabad)

Client Reference: Nil

SOM Lab

Ref: 3856(Page-1/1)

Dated: 25-03-2024

Dated: 25-03-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.537	6	0.759	0.44	0.452	16.00	21.71	80220	78090	108830	105940	1.20	8.0	15.0	
2	1.492	6	0.747	0.44	0.438	14.78	21.00	74090	74430	105260	105740	1.00	8.0	12.5	
3	0.693	4	0.510	0.20	0.204	7.49	9.38	82620	81000	103420	101390	1.10	8.0	13.8	
4	0.671	4	0.501	0.20	0.197	6.44	8.48	71040	72130	93530	94950	1.10	8.0	13.8	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Four 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)

Waqas Ali  
 Variant Gulberg 2, Lahore.

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

**Client Reference:** VA/29/135

**SOM Lab**

**Ref:** 3858 (Page-1/1)

**Dated:** 25-03-2024

**Dated:** 25-03-2024

**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	1.486	6	0.746	0.44	0.437	14.98	19.34	75110	75630	96930	97590	1.30	8.0	16.3	
2	1.475	6	0.743	0.44	0.433	13.66	19.22	68470	69580	96320	97870	1.30	8.0	16.3	
3	0.650	4	0.493	0.20	0.191	6.85	9.09	75540	79100	100270	104990	1.30	8.0	16.3	
4	0.655	4	0.494	0.20	0.192	6.85	9.17	75540	78690	101170	105380	1.40	8.0	17.5	
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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)

Engr. Naveed Sadiq  
 RE Orbit Developers.Lahore.(The Springs Atrium,Gulberg Lahore)

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

**Client Reference:** Nil

**SOM Lab**

**Ref:** 3859 (Page-1/1)

**Dated:** 25-03-2024

**Dated:** 25-03-2024

**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	1.517	6	0.754	0.44	0.446	15.21	20.66	76240	75210	103570	102180	1.30	8.0	16.3	
2	1.519	6	0.754	0.44	0.446	15.16	20.56	75980	74960	103060	101670	1.30	8.0	16.3	
3	0.662	4	0.498	0.20	0.195	7.41	9.38	81720	83820	103420	106070	1.00	8.0	12.5	
4	0.668	4	0.500	0.20	0.196	7.24	9.17	79810	81440	101170	103230	1.00	8.0	12.5	
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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)

Engr.Zain UI Abdin

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

Manager Operations ZS Associates Const Services.(Project Of Tauheed Heights Bahria Town Lhr)

**Client Reference:** ZSA/TH/UET/S/001

**SOM Lab**

**Ref:** 3860 (Page-1/1)

**Dated:** 25-03-2024

**Dated:** 25-03-2024

**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	2.523	8	0.971	0.79	0.741	25.69	35.98	71720	76460	100460	107100	1.50	8.0	18.8	
2	2.525	8	0.972	0.79	0.742	22.80	33.10	63660	67780	92400	98380	1.40	8.0	17.5	
3	1.510	6	0.752	0.44	0.444	15.82	20.85	79300	78590	104490	103550	1.20	8.0	15.0	
4	1.480	6	0.744	0.44	0.435	15.77	21.17	79050	79950	106130	107340	1.20	8.0	15.0	
5	0.633	4	0.487	0.20	0.186	6.95	9.55	76660	82430	105330	113260	1.10	8.0	13.8	
6	0.628	4	0.485	0.20	0.185	7.21	9.76	79470	85920	107580	116300	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)



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-QAQC;70

SOM Lab

Ref: 3861 (Page-1/1)

Dated: 25-03-2024

Dated: 25-03-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.589	8	0.984	0.79	0.761	27.52	35.58	76840	79770	99320	103100	1.40	8.0	17.5	
2	2.669	8	0.999	0.79	0.784	27.54	36.26	76900	77480	101230	102000	1.30	8.0	16.3	
3	1.460	6	0.739	0.44	0.429	14.95	21.25	74960	76880	106530	109270	1.00	8.0	12.5	
4	1.457	6	0.738	0.44	0.428	14.37	21.38	72050	74070	107150	110150	1.00	8.0	12.5	
5	1.006	5	0.614	0.31	0.296	11.90	14.80	84630	88640	105300	110280	1.10	8.0	13.8	
6	1.022	5	0.618	0.31	0.300	11.42	14.29	81230	83930	101680	105070	1.20	8.0	15.0	
7	0.674	4	0.502	0.20	0.198	7.03	9.02	77560	78350	99480	100490	1.10	8.0	13.8	
8	0.672	4	0.501	0.20	0.197	6.73	8.69	74190	75320	95770	97230	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 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)

Beacon Impex Pvt Ltd.

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

Faisalabad.(Const Of Fabric Storage Godowns & Dye House Extension at Beacon Impex)

**Client Reference:** B.I/Civil/24-112

**SOM Lab**

**Ref:** 3862 (Page-1/1)

**Dated:** 25-03-2024

**Dated:** 25-03-2024

**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	1.498	6	0.748	0.44	0.440	11.90	17.69	59630	59630	88650	88650	1.40	8.0	17.5	Batala G
2	1.493	6	0.748	0.44	0.439	11.98	17.69	60040	60180	88650	88850	1.40	8.0	17.5	Batala G
3	0.676	4	0.503	0.20	0.199	7.03	8.66	77560	77950	95550	96030	1.10	8.0	13.8	SJ
4	0.672	4	0.501	0.20	0.197	6.54	8.66	72170	73270	95550	97000	1.30	8.0	16.3	SJ
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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)

Iftikhar Ahmad

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Asstt Project Manager DAMAAN GROUP.(Const Of Damaan City Houses)

Client Reference: 0004/DAMAAN CITY/24

SOM Lab

Ref:

3866 (Page-1/1)

Dated: 25-03-2024

Dated:

25-03-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	1.503	6	0.750	0.44	0.442	13.56	19.22	67960	67650	96320	95880	1.40	8.0	17.5	
2	0.648	4	0.492	0.20	0.190	6.37	8.46	70260	73960	93300	98210	1.20	8.0	15.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

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