

Muhammad Adnan Alam

Test Performed By:

Dr. /Engr.

Wasim Abbas

RE ACES,DHA Multan.(Rumanza Golf Course,DHA Multan)

Client Reference: ACES-DHAM-CE-SLF-02

Dated: 21-01-2021

SOM Lab Ref: CED/SOM/5729(Page-1/1)

Dated: 24-01-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Mughal Steel)

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	0.977	12	12.57	113	124	69.20	82.70	612	559	731	667	27.5	200	13.8	
2	1.003	12	12.76	113	128	73.20	91.20	647	573	806	714	22.5	200	11.3	
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**BEND TEST:**

12mm	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 Danish

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

Opal Deever Developers(Const of Zameen Opal,Plot No.16,Sec.-A,Land Breeze Housing Society,Lhr)

Client Reference: ZD/ZO/L/040

SOM Lab 5728 (Page-

Ref: 1/1)

Dated: 01-01-2022

Dated: 24-01-2022

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	0.587	4	0.469	0.20	0.173	6.34	8.00	69920	80830	88240	102010	1.20	8.0	15.0	
2	0.594	4	0.472	0.20	0.175	6.30	7.90	69470	79390	87120	99560	1.10	8.0	13.8	
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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)

Abdul Ghafar

**Test Performed By:**

Dr. /Engr. Rizwan Azam

PM Liberty Builders.( Const. Of Zee Avenue-Ramada Hotel & Suites 17-A Cooper Rd,Lahore)

**Client Reference:** ST/UET/20220122-A

**SOM Lab** 5730 (Page-

**Ref:** 1/1)

**Dated:** 24-01-2022

**Dated:** 24-01-2022

**Test:** Tension Test & Bend Test

**Test Specification:**

ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:**

Deformed Bar (Mughal 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	0.663	4	0.498	0.20	0.195	7.36	9.09	81160	83240	100270	102840	1.30	8.0	16.3	
2	0.655	4	0.494	0.20	0.192	7.21	8.89	79470	82790	98020	102110	1.00	8.0	12.5	
3	0.657	4	0.496	0.20	0.193	7.36	9.09	81160	84100	100270	103910	1.10	8.0	13.8	
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**Witnessed By:** Bilal Ashraf (Civil Site Supervisor)

**BEND TEST:**

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

Ilyas Majeed Sheikh  
Chairman Eagle Developers.(Project Of Dream Galleria Lahore)

**Test Performed By:** Dr. /Engr. Wasim Abbas

**Client Reference:** Nil

**SOM Lab** 5731 (Page-

**Ref:** 1/1)

**Dated:** 24-01-2022

**Dated:** 24-01-2022

**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	1.492	6	0.747	0.44	0.438	16.21	21.27	81240	81610	106640	107120	1.10	8.0	13.8	
2	1.467	6	0.741	0.44	0.431	15.36	20.85	77000	78610	104490	106670	1.00	8.0	12.5	
3	0.647	4	0.492	0.20	0.190	6.57	9.23	72510	76320	101730	107090	1.00	8.0	12.5	
4	0.663	4	0.498	0.20	0.195	6.27	9.04	69130	70910	99710	102260	1.00	8.0	12.5	
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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)

Muddasir Ali  
Lahore

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab 5732 (Page-

Ref: 1/1)

Dated: 24-01-2022

Dated: 24-01-2022

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	2.576	8	0.982	0.79	0.757	25.48	36.95	71150	74250	103160	107660	1.40	8.0	17.5	
2	1.501	6	0.749	0.44	0.441	15.16	21.12	75980	75810	105870	105630	1.00	8.0	12.5	
3	1.050	5	0.627	0.31	0.309	10.32	13.27	73390	73630	94420	94730	1.30	8.0	16.3	
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**BEND TEST:**

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

Maj Adnan Khalid (R)

Test Performed By:

Dr. /Engr.

Wasim Abbas

Dy Dir MTL DHA Lhr,(Infra Dev Works Of Sector-Q& R Pkg 1&2 DHA Ph-IX (M/s DHA-C)

Client Reference: 408/241/32/Lab/22/48

SOM Lab 5733-5736 (Page-

Ref: 1/1)

Dated: 21-01-2022

Dated: 24-01-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.695	4	0.510	0.20	0.204	5.66	8.18	62390	61170	90150	88390	1.50	8.0	18.8	
2	0.667	4	0.500	0.20	0.196	5.93	8.61	65420	66760	94990	96930	1.60	8.0	20.0	
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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)

Engr. Hasan Nawaz

**Test Performed By:**

Dr. /Engr.

Asad Ali Gillani

CM Zameen Quadrangle.(Const. Of Zameen Quadrangle at Plot No.49,Gulberg-V Lahore)

**Client Reference:** ZD/ZQ/GSW/014

**SOM Lab** 5734 (Page-

**Ref:** 1/1)

**Dated:** 24-01-2022

**Dated:** 24-01-2021

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.671	4	0.501	0.20	0.197	7.03	9.07	77560	78750	100050	101570	1.20	8.0	15.0	
2	0.667	4	0.500	0.20	0.196	6.93	8.89	76440	78000	98020	100020	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)

Baig Construction Co.  
Lahore.(Aichison College Lab.Lahore)

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

Client Reference: Nil

SOM Lab 5735 (Page-1/1)  
Ref:

Dated: 24-01-2022

Dated: 24-01-2022

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	2.630	8	0.992	0.79	0.773	23.90	33.18	66740	68200	92630	94670	1.40	8.0	17.5	
2	1.461	6	0.739	0.44	0.429	14.85	21.36	74450	76360	107040	109790	1.20	8.0	15.0	
3	0.663	4	0.498	0.20	0.195	6.60	8.58	72730	74600	94650	97080	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 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](http://www.uet-civil.edu.pk)



Wasif Manzoor  
Salman Developers.Lahore.(Park House Appartment)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab 5737 (Page-

Ref: 1/1)

Dated: 24-01-2022

Dated: 24-01-2021

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	21.97	33.30	61330	62200	92970	94290	1.60	8.0	20.0	
2	2.674	8	1.000	0.79	0.786	22.40	33.76	62520	62840	94250	94730	1.40	8.0	17.5	
3	1.578	6	0.769	0.44	0.464	15.77	20.92	79050	74960	104850	99420	1.40	8.0	17.5	
4	1.597	6	0.773	0.44	0.469	16.23	21.58	81340	76320	108170	101480	1.40	8.0	17.5	
5	0.706	4	0.513	0.20	0.207	7.46	9.73	82290	79500	107350	103720	1.20	8.0	15.0	
6	0.663	4	0.498	0.20	0.195	7.21	9.14	79470	81510	100830	103420	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)

Muazzam Akram  
Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab 5738 (Page-

Ref: 1/1)

Dated: 24-01-2022

Dated: 24-01-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mughal 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	2.693	8	1.004	0.79	0.791	27.73	34.32	77410	77310	95820	95700	1.40	8.0	17.5	
2	1.476	6	0.743	0.44	0.434	16.23	20.80	81340	82470	104230	105680	1.30	8.0	16.3	
3	0.595	4	0.472	0.20	0.175	6.12	7.75	67450	77080	85430	97640	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 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](http://www.uet-civil.edu.pk)

Muazzam Akram  
Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab 5739 (Page-

Ref: 1/1)

Dated: 24-01-2022

Dated: 24-01-2021

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.516	6	0.754	0.44	0.446	14.19	19.11	71130	70170	95800	94520	1.10	8.0	13.8	
2	0.658	4	0.496	0.20	0.193	5.96	8.51	65760	68150	93860	97270	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)