

Maj Adnan khalid®

**Test Performed By:**

Dr. /Engr.

S. Asad Ali Gillani

Dy Dir MTL, Proposed 2- Kanal, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

**Client Reference:** 408/241/E/Lab/65/6523

**SOM Lab**

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**Ref:**

1/1)

**Dated:** 21-04-2021

**Dated:**

21-04-2021

**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	0.662	4	0.498	0.20	0.195	5.86	8.28	64640	66290	91280	93620	1.40	8.0	17.5	
2	0.664	4	0.498	0.20	0.195	5.93	8.36	65420	67100	92180	94540	1.40	8.0	17.5	
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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)

Adil Jamal

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Project Manager, MA Engg. Services, Lahore(Project: Commercial Plaza at Al Rehman Garden Lahore)

Client Reference: MA/UETL/013

SOM Lab

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Ref:

1/1)

Dated: 21-04-2021

Dated:

21-04-2021

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	1.450	6	0.736	0.44	0.426	16.23	20.46	81340	84020	102550	105920	1.30	8.0	16.3	
2	1.456	6	0.738	0.44	0.428	16.74	20.71	83900	86250	103830	106740	1.30	8.0	16.3	
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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)

Abdullah Hussain

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Resident Engineer, NESPAK Off, Street Ayesha Musjid Rawailpura(opposite Fateh Garh Agency) Sialkot

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Client Reference: Nespak/SAH/UET/LI, 2&4/017

SOM Lab Ref: 1/1)

Dated: 19-04-2021

Dated: 21-04-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Guage 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	0.685	4	0.506	0.20	0.201	6.65	9.17	73290	72930	101170	100670	1.30	8.0	16.3	
2	0.655	4	0.494	0.20	0.192	7.05	9.48	77790	81030	104540	108900	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)

CO 108 Engr Bn

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

(Const. of 03 x Additional Building & parking Shed at CMH Medical College, Kharian Cantt.)

**Client Reference:** 108-Engr Br Kharian cantt

**SOM Lab** 4222(Page-

**Ref:** 1/1)

**Dated:** 21-04-2021

**Dated:** 21-04-2021

**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	2.625	8	0.991	0.79	0.771	26.47	34.93	73910	75730	97530	99930	1.50	8.0	18.8	
2	2.635	8	0.993	0.79	0.774	26.42	34.83	73770	75290	97240	99250	1.50	8.0	18.8	
3	1.509	6	0.751	0.44	0.443	16.36	19.27	82010	81450	96570	95920	1.50	8.0	18.8	
4	1.507	6	0.751	0.44	0.443	16.46	19.32	82520	81960	96830	96170	1.40	8.0	17.5	
5	0.652	4	0.494	0.20	0.192	7.41	8.48	81720	85130	93530	97420	1.00	8.0	12.5	
6	0.653	4	0.494	0.20	0.192	7.34	8.48	80940	84310	93530	97420	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)

Shahzad Mukhtar Ahmad  
Project Manager (K & N House) Aitchison College, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: P-0666

SOM Lab 4223(Page-

Ref: 1/1)

Dated: 21-04-2021

Dated: 21-04-2021

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	1.459	6	0.739	0.44	0.429	13.93	18.20	69850	71640	91210	93540	1.30	8.0	16.3	
2	1.464	6	0.740	0.44	0.430	13.66	17.99	68470	70060	90180	92280	1.30	8.0	16.3	
3	0.658	4	0.496	0.20	0.193	7.34	9.02	80940	83870	99480	103090	1.00	8.0	12.5	
4	0.664	4	0.498	0.20	0.195	7.34	9.04	80940	83010	99710	102260	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)

Wajid Ali Shah  
GM - Works, FF Steel Lahore

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

Client Reference: Nil  
Dated: 17-04-2021  
Test: Tension Test  
Gauge Length: 8 inch

SOM Lab 4224(Page-1/1)  
Ref: 1/1  
Dated: 21-04-2021  
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	1.024	5	0.619	0.31	0.301	10.40	14.63	73970	76190	104070	107180	1.10	8.0	13.8	
2	1.027	5	0.620	0.31	0.302	10.35	14.50	73610	75560	103130	105860	1.10	8.0	13.8	
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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)