

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/1034/769

**SOM Lab**

**Ref:** 3251(Page-1/1)

**Dated:** 12-11-2020

**Dated:** 13-11-2020

**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	0.642	4	0.491	0.20	0.189	6.03	8.43	66550	70420	92960	98370	1.20	8.0	15.0	
2	0.644	4	0.491	0.20	0.189	6.07	8.38	66890	70780	92400	97780	1.10	8.0	13.8	
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**BEND TEST:**

# 4# 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)

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**Client Reference:** 408/241/E/Lab/1034/769

**SOM Lab**

**Ref:** 3251(Page-1/1)

**Dated:** 12-11-2020

**Dated:** 13-11-2020

**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	0.642	4	0.491	0.20	0.189	6.03	8.43	66550	70420	92960	98370	1.20	8.0	15.0	
2	0.644	4	0.491	0.20	0.189	6.07	8.38	66890	70780	92400	97780	1.10	8.0	13.8	
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**BEND TEST:**

# 46	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)

Fatima Qaiser

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Assistant Manager Accounts and Finance, Pakistan Children's Heart Foundation, Lahore

Client Reference: Nil

SOM Lab

Ref: 3252(Page-1/1)

Dated: 13-11-2020

Dated: 13-11-2020

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	2.727	8	1.010	0.79	0.801	28.66	36.82	80030	78930	102790	101380	1.40	8.0	17.5	
2	2.719	8	1.009	0.79	0.799	28.87	36.95	80590	79690	103160	102000	1.10	8.0	13.8	
3	1.477	6	0.743	0.44	0.434	13.07	17.48	65510	66410	87630	88840	1.40	8.0	17.5	
4	1.504	6	0.750	0.44	0.442	13.27	17.76	66530	66230	89010	88610	1.60	8.0	20.0	
5	0.636	4	0.488	0.20	0.187	6.39	8.66	70480	75380	95550	102190	1.10	8.0	13.8	
6	0.653	4	0.494	0.20	0.192	6.01	9.17	66320	69090	101170	105380	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 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)

MS Enterprises  
Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: Nil

Dated: 13-11-2020

Test: Tension Test

Gauge Length: 8 inch

SOM Lab

Ref: 3253(Page-1/1)

Dated: 13-11-2020

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	1.519	6	0.754	0.44	0.446	16.28	21.02	81600	80500	105360	103940	1.20	8.0	15.0	
2	0.654	4	0.494	0.20	0.192	6.24	9.23	68800	71660	101730	105970	1.20	8.0	15.0	
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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)

M. Shahbaz Iqbal  
 BPS (Pvt) Ltd. Alpha Homes Apartments Project

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

Client Reference: Nil

SOM Lab

Ref: 3256(Page-1/2)

Dated: 13-11-2020

Dated: 13-11-2020

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	2.577	8	0.982	0.79	0.757	25.89	34.88	72290	75440	97380	101630	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 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)

M. Shahbaz Iqbal  
 BPS (Pvt) Ltd. Alpha Homes Apartments Project

**Test Performed By:** Dr. /Engr. M. Irfan UI Hassan

**Client Reference:** Nil

**Dated:** 13-11-2020

**Test:** Tension Test & Bend Test

**Gauge Length:** 8 inch

**Test Specification:**

**Sample Type:**

**SOM Lab**

**Ref:** 3256(Page-2/2)

**Dated:** 13-11-2020

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	1.520	6	0.754	0.44	0.447	14.17	23.04	71020	69910	115480	113670	1.50	8.0	18.8	
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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)

M. Shahbaz Iqbal  
 BPS (Pvt) Ltd. Alpha Homes Apartments Project

**Test Performed By:** Dr. /Engr. Nauman Khurram

**Client Reference:** Nil

**SOM Lab**

**Ref:** 3257(Page-1/2)

**Dated:** 13-11-2020

**Dated:** 13-11-2020

**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	1.523	6	0.755	0.44	0.448	16.43	23.09	82370	80900	115730	113660	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 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)

M. Shahbaz Iqbal  
BPS (Pvt) Ltd. Alpha Homes Apartments Project

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 3257(Page-2/2)

Dated: 13-11-2020

Dated: 13-11-2020

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	2.574	8	0.981	0.79	0.756	24.94	34.32	69640	72770	95820	100130	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 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)