

Maj Adnan khalid®

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

S. Asad Ali  
Gillani

Dy Dir MTL, Const. of 132/11.5 KV Grid Station, Sector-A DHA Ph-VI - (M/S Netracon)

**SOM Lab**

**Client Reference:** 408/241/E/Lab/71/11

**Ref:** 4326(Page-1/1)

**Dated:** 19-05-2021

**Dated:** 19-05-2021

**Test:** Tension Test & Bend Test

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

ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:**

Deformed Bar (Fazal 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	2.641	8	0.994	0.79	0.776	26.78	36.03	74760	76110	100600	102410	1.20	8.0	15.0	
2	2.636	8	0.993	0.79	0.775	28.15	37.16	78600	80120	103730	105740	1.10	8.0	13.8	
3	1.507	6	0.751	0.44	0.443	17.58	21.10	88140	87540	105770	105050	1.00	8.0	12.5	
4	1.504	6	0.750	0.44	0.442	16.36	20.20	82010	81640	101270	100810	1.10	8.0	13.8	
5	1.026	5	0.620	0.31	0.302	12.84	14.80	91380	93800	105300	108090	1.10	8.0	13.8	
6	1.034	5	0.622	0.31	0.304	12.86	14.80	91520	93330	105300	107380	0.90	8.0	11.3	
7	0.666	4	0.500	0.20	0.196	6.44	8.28	71040	72490	91280	93140	1.10	8.0	13.8	
8	0.668	4	0.500	0.20	0.196	6.63	8.51	73070	74560	93860	95780	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	
# 4	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)

Furqan - UI -Haq  
 General Manager, AYQ Developers Pvt. Ltd. Lahore

**Test Performed By:**

Dr. /Engr.

S. Asad Ali  
Gillani

**Client Reference:** Nil

**Dated:** 19-05-2021

**Test:** Tension Test & Bend Test

**Gauge Length:** 8 inch

**Test Specification:**

**Sample Type:**

**SOM Lab**

**Ref:** 4327(Page-1/2)

**Dated:** 19-05-2021

ASTM-A-615

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	1.507	6	0.751	0.44	0.443	15.06	19.80	75470	74960	99230	98560	1.10	8.0	13.8	
2	1.471	6	0.742	0.44	0.432	15.57	19.95	78020	79470	99990	101850	1.00	8.0	12.5	
3	1.490	6	0.747	0.44	0.438	15.92	20.61	79810	80180	103310	103790	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 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)