

Muhammad Aslam

Test Performed By:

Dr. /Engr.

S. Asad Ali  
Gillani

Manager C. R & M, Allied Bank Ltd. Engg Cell, South - II, Abdali Tower, Abdali Road, Multan

Client Reference: nil

SOM Lab

Ref: 4128(Page-1/1)

Dated: 15-03-2021

Dated: 30-03-2021

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	2.547	8	0.977	0.79	0.749	27.17	31.88	75840	79990	88990	93860	1.10	8.0	13.8	
2	1.508	6	0.751	0.44	0.443	15.80	18.40	79200	78660	92230	91600	1.40	8.0	17.5	
3	1.063	5	0.630	0.31	0.312	11.54	13.86	82100	81570	98630	98000	1.20	8.0	15.0	
4	0.591	4	0.471	0.20	0.174	6.39	7.31	70480	81010	80600	92640	1.10	8.0	13.8	
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**BEND TEST:**

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

Maj Adnan khalid®

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillan

Dy Dir MTL, Bal Infra Dev Works of Sector - Q, Ph -VII - (M/S DHA - C )

Client Reference: 408/241/E/Estb/Lab/55/01/Q

SOM Lab

Ref:

4129(Page-1/1)

Dated: 29-03-2021

Dated:

30-03-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Saeed Kasur 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	0.644	4	0.491	0.20	0.189	5.17	7.59	56990	60310	83750	88620	1.50	8.0	18.8	
2	0.639	4	0.489	0.20	0.188	5.20	7.56	57330	60990	83410	88730	1.50	8.0	18.8	
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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)

Syed Mohsin Ali

Resident Engineer, QA/QC, Department, Bahria Town, (Pvt) Ltd Lahore

**Test Performed By:**

Dr. /Engr.

S. Asad Ali  
Gillani

**Client Reference:** QA/QC-Steel-2260

**Dated:** 30-03-2021

**Test:** Tension Test & Bend Test

**Gauge Length:** 8 inch

**Test Specification:**

**Sample Type:**

**SOM Lab**

**Ref:** 4130(Page-1/1)

**Dated:** 30-03-2021

ASTM-A-615

Deformed Bar(Ittefaq 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	1.501	6	0.749	0.44	0.441	14.39	18.93	72150	71980	94880	94670	1.40	8.0	17.5	
2	1.496	6	0.748	0.44	0.440	14.29	18.83	71640	71640	94370	94370	1.50	8.0	18.8	
3	1.039	5	0.623	0.31	0.305	12.15	14.93	86450	87860	106250	107990	1.00	8.0	12.5	
4	1.029	5	0.620	0.31	0.302	11.54	14.53	82100	84270	103340	106080	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
# 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 Nadeem ur Rehman Khakwani  
(Retd )  
ACES (Pvt) Ltd. Sector -I, - DHA, Multan

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

Client Reference: RE / Sec - I/Test /02  
Dated: 27-03-2021  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 4131(Page-1/1)  
Dated: 30-03-2021  
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	2.696	8	1.004	0.79	0.792	34.05	39.32	95050	94810	109760	109490	1.00	8.0	12.5	
2	2.698	8	1.005	0.79	0.793	33.64	38.94	93910	93560	108710	108300	1.00	8.0	12.5	
3	1.526	6	0.755	0.44	0.448	16.84	21.20	84410	82900	106280	104380	1.10	8.0	13.8	
4	1.522	6	0.754	0.44	0.447	16.84	21.25	84410	83090	106530	104870	1.00	8.0	12.5	
5	0.690	4	0.508	0.20	0.203	7.59	9.28	83750	82510	102290	100780	1.10	8.0	13.8	
6	0.673	4	0.502	0.20	0.198	7.19	8.89	79250	80050	98020	99010	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)

Dr. Muhammad Ikram  
 Director ABS Developers (Pvt) Ltd., Lahore

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

Client Reference: ABS/Steel/300321  
 Dated: 30-03-2021  
 Test: Tension Test & Bend Test  
 Gauge Length: 8 inch

SOM Lab  
 Ref: 4132(Page-1/1)  
 Dated: 30-03-2021  
 Test Specification: ASTM-A-615  
 Sample Type: Deformed Bar (FA 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	2.570	8	0.980	0.79	0.755	27.73	35.44	77410	81000	98950	103540	0.80	8.0	10.0	
2	2.574	8	0.981	0.79	0.756	26.10	35.65	72850	76130	99520	103990	0.90	8.0	11.3	
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**BEND TEST:**

# 8	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)

Maj Adnan khalid®

Test Performed By:

Dr. /Engr.

Nauman Khurran

Dy Dir MTL, Const of 1 Kanal, NGV at DRGCC Ph-III, Club House DHA Pha Ph-6,(M/S Linker Developers (Pvt) ltd.)

Client Reference: 408/241/E/Lab/58/40

SOM Lab Ref: 4133(Page-1/1)

Dated: 30-03-2021

Dated: 30-03-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AFCCO 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	1.481	6	0.744	0.44	0.435	13.51	20.90	67700	68480	104750	105950	1.60	8.0	20.0	
2	1.474	6	0.743	0.44	0.433	13.43	20.66	67290	68380	103570	105240	1.40	8.0	17.5	
3	0.644	4	0.491	0.20	0.189	6.14	8.97	67670	71610	98920	104680	1.40	8.0	17.5	
4	0.654	4	0.494	0.20	0.192	6.22	9.02	68570	71430	99480	103630	1.30	8.0	16.3	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

**Note:-**  
Only Six 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)

Saeedullah Jan

Test Performed By:

Dr. /Engr.

S. Asad Ali  
Gillani

Resident Engineer, NESPAK Office, 3rd Floor Karachi Hotel, Chitta Morh, Murree.

Client Reference: RE/3126/40/146

SOM Lab

Ref: 4134(Page-1/1)

Dated: 30-03-2021

Dated:

30-03-2021

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	2.616	8	0.990	0.79	0.769	27.93	35.55	77980	80110	99230	101940	1.30	8.0	16.3	
2	2.614	8	0.989	0.79	0.768	24.87	34.91	69440	71430	97470	100260	1.30	8.0	16.3	
3	1.516	6	0.754	0.44	0.446	15.34	18.35	76900	75870	91970	90740	1.40	8.0	17.5	
4	1.521	6	0.754	0.44	0.447	13.53	20.69	67810	66740	103720	102100	1.30	8.0	16.3	
5	0.669	4	0.501	0.20	0.197	7.85	9.48	86560	87870	104540	106130	1.00	8.0	12.5	
6	0.664	4	0.498	0.20	0.195	6.12	8.69	67450	69180	95770	98230	1.10	8.0	13.8	
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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)