

Engr. Shair Muhammad  
Resident Engineer, M-3 IC Industrial City, Faislabad

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

**Client Reference:** CRE/M4IC/AIIC-GS-01/Lab/114

**Dated:** 25-03--2021

**SOM Lab Ref:** CED/SOM/4120(Page-1/1)

**Dated:** 26-03-2021

**Test:** Tension Test & Bend Test

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

**Sample Type:** M S Deformed (AGHA Arclon 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	2.230	20	19.02	314	284	156.00	192.20	497	550	612	677	27.5	200	13.8	
2	2.216	20	18.96	314	282	145.00	181.70	462	514	578	644	30.0	200	15.0	
3	0.994	13	12.70	133	127	77.70	91.70	585	614	691	725	25.0	200	12.5	
4	0.968	13	12.53	133	123	76.00	91.00	573	617	686	738	25.0	200	12.5	
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**BEND TEST:**

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six Samples Received and Tested
12mm	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: 25-03-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4118(Page-2/2)

Dated: 26-02-2021

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	1.426	6	0.730	0.44	0.419	12.00	17.86	60140	63160	89520	94010	1.20	8.0	15.0	
2	1.336	6	0.707	0.44	0.393	10.30	15.41	51610	57780	77260	86500	1.40	8.0	17.5	
3	1.371	6	0.716	0.44	0.403	10.52	16.06	52730	57570	80480	87860	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 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)

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

Test Performed By: Dr. /Engr.

S. Asad Ali  
 Gillani

Client Reference: Nil

Dated: 25-03-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4118(Page-1/2)

Dated: 26-02-2021

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	2.214	8	0.910	0.79	0.651	20.87	34.78	58260	70690	97100	117830	0.80	8.0	10.0	
2	2.217	8	0.911	0.79	0.652	19.90	30.89	55550	67310	86230	104480	0.50	8.0	6.3	
3	2.230	8	0.913	0.79	0.655	20.49	33.38	57200	68990	93200	112410	0.60	8.0	7.5	
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**BEND TEST:**

# 8	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)

CO 108 Engr Bn

Test Performed By:

Dr. /Engr.

S. Asad Ali  
Gillani

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

Client Reference: 108-Engr Br Kharian cantt

SOM Lab

Ref: 4119(Page-1/1)

Dated: 25-03-2021

Dated:

26-03-2021

Test: Tension Test &amp; 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	2.614	8	0.989	0.79	0.768	27.62	34.81	77120	79330	97190	99970	1.30	8.0	16.3	
2	2.604	8	0.987	0.79	0.765	27.62	34.78	77120	79640	97100	100270	1.40	8.0	17.5	
3	1.498	6	0.748	0.44	0.440	16.28	19.44	81600	81600	97440	97440	1.20	8.0	15.0	
4	1.502	6	0.749	0.44	0.441	16.38	19.44	82110	81930	97440	97220	1.20	8.0	15.0	
5	0.589	4	0.469	0.20	0.173	6.39	7.72	70480	81480	85100	98380	1.10	8.0	13.8	
6	0.589	4	0.469	0.20	0.173	6.70	7.95	73850	85380	87680	101360	1.00	8.0	12.5	
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**BEND TEST:**

# 8 Sample bend through 180 degrees Satisfactorily without any crack

# 6 Sample bend through 180 degrees Satisfactorily without any crack

# 4 Sample bend through 180 degrees Satisfactorily without any crack

**Note:-**Only Nine Samples  
Received and TestedNote: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engr. Shair Muhammad  
Resident Engineer, M-3 IC Industrial City, Faisalabad

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

Client Reference: CRE/M4IC/AIIC-GS-01/Lab/114  
Dated: 25-03--2021  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 4120 (Page-1/1)  
Dated: 26-03-2021  
ASTM-A-615  
Deformed Bar( Agha Arclon 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	1.486	6	0.746	0.44	0.437	15.82	19.49	79300	79850	97690	98370	1.70	8.0	21.3	
2	1.491	6	0.747	0.44	0.438	17.07	20.49	85590	85980	102700	103170	1.60	8.0	20.0	
3	1.007	5	0.614	0.31	0.296	8.92	13.53	63460	66460	96240	100790	1.30	8.0	16.3	
4	1.003	5	0.613	0.31	0.295	8.77	13.40	62370	65540	95370	100220	1.40	8.0	17.5	
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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	
# 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)

Shahid Builders (pvt) Ltd.  
Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: SBL/2021/3

Dated: 26-03-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4121 (Page-1/1)

Dated: 26-01-2021

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	0.664	4	0.498	0.20	0.195	7.34	9.68	80940	83010	106790	109530	1.00	8.0	12.5	
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**BEND TEST:**

# 4	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)

Shahid Builders (pvt) Ltd.  
Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: SBL/2021/4

Dated: 26-03-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4121 (Page-2/2)

Dated: 26-01-2021

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	1.467	6	0.741	0.44	0.431	16.02	19.62	80320	82000	98360	100410	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)