

Mr Umar Safdar
 Usman Industries 92-B2, Gulberg- 3, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil
 Dated: 28-12-2020

SOM Lab
 Ref: 3506(Page-1/1)
 Dated: 28-12-2020

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615
 Deformed
 Bar

Gauge Length: 8 inch Sample Type:

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.657	4	0.496	0.20	0.193	6.29	9.76	69360	71870	107580	111480	1.20	8.0	15.0	
2	0.663	4	0.498	0.20	0.195	6.17	9.58	68010	69750	105670	108370	1.00	8.0	12.5	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Mr Umar Safdar
 Usman Industries 92-B2, Gulberg- 3, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil
 Dated: 28-12-2020

SOM Lab
 Ref: 3507(Page-1/2)
 Dated: 28-12-2020

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615
 Deformed
 Bar

Gauge Length: 8 inch Sample Type:

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.468	6	0.741	0.44	0.431	13.73	20.20	68830	70260	101270	103390	1.40	8.0	17.5	
2	1.474	6	0.743	0.44	0.433	13.71	19.85	68730	69840	99480	101090	1.30	8.0	16.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Mr Umar Safdar
 Usman Industries 92-B2, Gulberg- 3, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil
 Dated: 28-12-2020

SOM Lab
 Ref: 3507(Page-2/2)
 Dated: 28-12-2020

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615
 Deformed
 Bar

Gauge Length: 8 inch Sample Type:

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.576	8	0.982	0.79	0.757	27.78	37.46	77550	80930	104580	109140	1.20	8.0	15.0	
2	2.572	8	0.981	0.79	0.756	28.34	38.43	79120	82670	107290	112110	1.40	8.0	17.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Bilal Ahmad

Engineer, Abdul Sattar & Co. (Project: Lyallpur Galleria East Canal Road Faisalabad, Plot No. 44A)

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Premium Developers

Dated: 28-12-2020

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref:

3508(Page-2/2)

Dated:

28-12-2020

ASTM-A-615

Deformed

Bar

Gauge Length:

8 inch

Sample Type:

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.445	6	0.736	0.44	0.425	13.66	18.83	68470	70890	94370	97700	1.20	8.0	15.0	
2	1.451	6	0.736	0.44	0.426	14.07	19.67	70510	72830	98610	101860	1.30	8.0	16.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Shoaib Razzaq
Project Coordinator, Sinaco Engineers (Pvt) Ltd, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: SEL/LHR/C-441/11668

Dated: 28-12-2020

SOM Lab

Ref: 3510(Page-1/1)

Dated: 28-12-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(AFCO 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.631	8	0.992	0.79	0.773	22.91	33.89	63950	65350	94620	96700	1.50	8.0	18.8	
2	2.604	8	0.987	0.79	0.765	23.52	33.91	65650	67800	94680	97770	1.40	8.0	17.5	
3	1.451	6	0.736	0.44	0.426	14.90	20.97	74700	77160	105100	108560	1.30	8.0	16.3	
4	1.517	6	0.754	0.44	0.446	17.55	22.96	87990	86800	115070	113520	1.10	8.0	13.8	
5	0.682	4	0.505	0.20	0.200	7.22	9.25	79590	79590	101960	101960	1.00	8.0	12.5	
6	0.674	4	0.502	0.20	0.198	6.90	8.94	76100	76870	98580	99580	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Shahbir Anjum
Project Manager, Shahan Brothers Engineers & Construction Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 3511(Page-1/1)

Dated: 26-12-2020

Dated: 28-12-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.684	8	1.002	0.79	0.789	22.19	36.36	61960	62030	101510	101640	1.40	8.0	17.5	
2	1.478	6	0.743	0.44	0.434	14.13	17.91	70820	71800	89780	91020	1.40	8.0	17.5	
3	0.677	4	0.503	0.20	0.199	7.72	9.38	85100	85520	103420	103940	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Unique Construction Co. Test Performed By: Dr. /Engr. S. Asas Ali Gillani
 Engineers & Govt. Contractor, (DFID Room Project at District Narowal)

Client Reference: nil
 Dated: 28-12-2020

SOM Lab
 Ref: 3512(Page - 2/2)
 Dated: 28-12-2020

Test: Tension Test & Bend Test)
 Gauge Length: 8 inch

Test Specification: ASTM-A-615
 Sample Type: Deformed Bar(AFCO 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.661	4	0.497	0.20	0.194	5.25	7.72	57890	59680	85100	87730	1.70	8.0	21.3	
2	0.660	4	0.497	0.20	0.194	5.20	7.65	57330	59100	84310	86920	1.60	8.0	20.0	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Unique Construction Co.
Engineers & Govt. Contractor, (DFID Room Project at Distract Narowal)

Test Performed By: Dr. /Engr.

S. Asas Ali
Gillani

Client Reference: nil

Dated: 28-12-2020

Test: Tension Test & Bend Test)

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3512(Page - 1/2)

Dated: 28-12-2020

ASTM-A-615

Deformed Bar(Mughal 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.652	4	0.494	0.20	0.192	6.68	8.10	73630	76700	89370	93090	1.10	8.0	13.8	
2	0.669	4	0.501	0.20	0.197	7.59	9.14	83750	85020	100830	102370	1.00	8.0	12.5	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

I Con Construction Services
Engineers & Contractors, Lahore

Test Performed By: Dr. /Engr.

S. Asas Ali
Gillani

Client Reference: nil

Dated: 28-12-2020

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3513(Page - 1/1)

Dated: 28-12-2020

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.491	6	0.747	0.44	0.438	15.09	19.93	75620	75970	99890	100350	1.10	8.0	13.8	
2	1.485	6	0.745	0.44	0.436	15.55	20.13	77920	78640	100910	101840	1.40	8.0	17.5	
3	0.657	4	0.496	0.20	0.193	6.37	8.53	70260	72810	94090	97500	1.30	8.0	16.3	
4	0.661	4	0.497	0.20	0.194	6.39	8.63	70480	72660	95210	98160	1.30	8.0	16.3	
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BEND TEST:

--	No Bend test performed	Note:- Only Four Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk