

Sub Divisional Officer
Buildings Sub Division, Pakpattan

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

Client Reference: 368/SDO - PPN

SOM Lab

Ref: 2620 (Page-1/1)

Dated: 17-06-2020

Dated: 23-06-2020

Test: Tension 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.478	6	0.743	0.44	0.434	14.07	19.24	70510	71490	96420	97750	1.10	8.0	13.8	
2	1.473	6	0.743	0.44	0.433	13.32	17.74	66780	67860	88910	90340	1.20	8.0	15.0	
3	0.684	4	0.506	0.20	0.201	6.83	8.74	75320	74940	96340	95860	1.00	8.0	12.5	
4	0.663	4	0.498	0.20	0.195	6.98	9.23	77000	78980	101730	104340	1.00	8.0	12.5	
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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

Muhammad Ashraf
Assistant Engineer / Bridges, Pakistan Railways, Multan

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 55-W/1/M(B-24 & 25)/2019

SOM Lab

Ref: 2621(Page-1/1)

Dated: 12-06-2020

Dated: 23-06-2020

Test: Tension 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	1.500	6	0.749	0.44	0.441	15.46	20.08	77510	77340	100660	100430	1.10	8.0	13.8	
2	1.500	6	0.749	0.44	0.441	15.19	19.67	76130	75960	98610	98390	1.30	8.0	16.3	
3	1.068	5	0.632	0.31	0.314	11.47	14.85	81590	80550	105670	104320	1.10	8.0	13.8	
4	1.049	5	0.626	0.31	0.308	11.62	15.01	82680	83210	106750	107450	1.20	8.0	15.0	
5	0.662	4	0.498	0.20	0.195	7.10	9.04	78350	80360	99710	102260	1.00	8.0	12.5	
6	0.662	4	0.498	0.20	0.195	7.31	9.02	80600	82670	99480	102030	1.00	8.0	12.5	
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BEND TEST:

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

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

Manager C. R & M,
Engineering Cell Multan, Allied Bank Ltd. GHQ/S2/2nd Floor, Abdali Road, Multan

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil

SOM Lab

Ref: 2649(Page-1/1)

Dated: 23-06-2020

Dated: 29-06-2020

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	1.459	6	0.739	0.44	0.429	11.79	18.42	59120	60640	92330	94700	1.40	8.0	17.5	
2	1.454	6	0.737	0.44	0.427	11.74	18.35	58860	60660	91970	94770	1.40	8.0	17.5	
3	0.669	4	0.501	0.20	0.197	5.96	9.12	65760	66760	100610	102140	1.10	8.0	13.8	
4	0.672	4	0.501	0.20	0.197	6.03	9.16	66550	67560	101060	102600	1.00	8.0	12.5	
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BEND TEST:

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

Sajid Mahmood

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Manager Construction Projects, 3 & 4, Tipu Block New Garden Town, Allied Bank Head Office, Lahore

Client Reference: HOL/ENGG. C.P./SM/2020/16

SOM Lab Ref: 2623 (Page-1/1)

Dated: 23-05-2020

Dated: 23-06-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AGHA 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	2.558	8	0.979	0.79	0.752	24.41	33.66	68160	71600	93970	98720	1.40	8.0	17.5	
2	2.533	8	0.973	0.79	0.744	22.68	31.45	63320	67240	87790	93220	1.50	8.0	18.8	
3	1.661	6	0.788	0.44	0.488	17.28	21.68	86610	78090	108680	97990	1.30	8.0	16.3	
4	1.652	6	0.786	0.44	0.485	18.60	22.83	93250	84600	114450	103830	1.20	8.0	15.0	
5	1.060	5	0.630	0.31	0.312	10.77	13.53	76660	76170	96240	95620	1.20	8.0	15.0	
6	1.048	5	0.626	0.31	0.308	10.83	13.61	77020	77520	96820	97450	1.50	8.0	18.8	
7	0.577	4	0.465	0.20	0.170	6.17	7.97	68010	80010	87910	103420	1.00	8.0	12.5	
8	0.571	4	0.462	0.20	0.168	5.88	7.75	64860	77220	85430	101700	1.00	8.0	12.5	
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Witnessed By: Hanif Bashir, ABL

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Twelve Samples Received and Tested</p>
# 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

Syed Yasir Ali
Resident Engineer, UET Narowal Lahore Campus NESPAK (Pvt) Ltd.

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: UET/NESPAK/13/Testing/SYA/01

SOM Lab

Ref: 2624(Page-1/1)

Dated: 23-06-2020

Dated: 23-06-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar(SGI
Steel)

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	2.703	8	1.005	0.79	0.794	22.70	37.00	63380	63060	103300	102780	1.40	8.0	17.5	
2	2.708	8	1.007	0.79	0.796	23.16	37.00	64660	64170	103300	102520	1.30	8.0	16.3	
3	1.477	6	0.743	0.44	0.434	12.18	19.49	61060	61910	97690	99050	1.10	8.0	13.8	
4	1.478	6	0.743	0.44	0.434	12.33	19.57	61830	62680	98100	99460	1.20	8.0	15.0	
5	0.623	4	0.483	0.20	0.183	5.37	7.85	59240	64750	86560	94600	1.00	8.0	12.5	
6	0.628	4	0.485	0.20	0.185	5.35	8.05	59020	63800	88800	96000	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