

Iftikhar Ahmad

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

GM Sufi City Lahore.(Commercial Building Project,City Centre Block-4 at Sufi City,Mandi Bahauddin)

Client Reference: Nil

SOM Lab

Ref: 1385 (Page-1/1)

Dated: 09-12-2022

Dated: 12-12-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Sheikhoo 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	2.581	8	0.982	0.79	0.758	25.56	34.53	71350	74360	96390	100460	1.30	8.0	16.3	
2	1.529	6	0.756	0.44	0.449	15.26	19.67	76490	74960	98610	96640	1.40	8.0	17.5	
3	0.669	4	0.501	0.20	0.197	6.17	8.84	68010	69050	97460	98940	1.40	8.0	17.5	
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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

Muhammad Azhar

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE,Barrage, IBC.(Rehabilitation And Modernization Of Islam Bridge)

Client Reference: IBC/RE/UET-052

SOM Lab

Ref: 1386 (Page-1a/1)

Dated: 11-12-2022

Dated: 12-12-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Pak 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	1.010	5	0.615	0.31	0.297	9.04	11.95	64330	67140	85000	88720	1.00	8.0	12.5	RS-4-60
2	1.027	5	0.620	0.31	0.302	8.87	12.00	63100	64770	85360	87620	1.20	8.0	15.0	RS-4-60
3	1.024	5	0.619	0.31	0.301	9.23	12.20	65630	67600	86810	89410	1.20	8.0	15.0	RS-4-60
4	1.011	5	0.615	0.31	0.297	8.99	12.56	63970	66770	89350	93260	1.10	8.0	13.8	RS-4-60
5	0.722	4	0.520	0.20	0.212	6.17	7.77	68010	64160	85660	80810	1.10	8.0	13.8	RS-5-60
6	0.724	4	0.521	0.20	0.213	6.52	7.97	71940	67550	87910	82540	1.20	8.0	15.0	RS-5-60
7	0.665	4	0.498	0.20	0.195	6.27	7.87	69130	70910	86780	89010	1.30	8.0	16.3	RS-5-60
8	0.672	4	0.501	0.20	0.197	6.19	7.77	68230	69270	85660	86960	1.10	8.0	13.8	RS-5-60
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BEND TEST:

# 5	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 5	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

Muhammad Azhar

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE,Barrage, IBC.(Rehabilitation And Modernization Of Islam Bridge)

Client Reference: IBC/RE/UET-052

SOM Lab

Ref: 1386 (Page-1b/1)

Dated: 11-12-2022

Dated: 12-12-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Pak 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	2.624	8	0.991	0.79	0.771	18.27	27.03	51000	52260	75470	77330	1.80	8.0	22.5	RS-3-40
2	2.615	8	0.989	0.79	0.768	18.04	26.35	50370	51820	73570	75670	2.00	8.0	25.0	RS-3-40
3	2.618	8	0.990	0.79	0.769	18.30	26.91	51090	52480	75130	77180	2.30	8.0	28.8	RS-3-40
4	2.620	8	0.990	0.79	0.770	17.28	26.93	48240	49490	75190	77140	2.10	8.0	26.3	RS-3-40
5	1.486	6	0.746	0.44	0.437	10.55	15.72	52890	53250	78790	79330	1.90	8.0	23.8	RS-2-40
6	1.480	6	0.744	0.44	0.435	10.86	15.77	54420	55040	79050	79950	2.00	8.0	25.0	RS-2-40
7	1.485	6	0.745	0.44	0.436	10.96	15.92	54930	55430	79810	80540	1.90	8.0	23.8	RS-2-40
8	1.486	6	0.746	0.44	0.437	10.72	15.85	53750	54120	79450	80000	1.70	8.0	21.3	RS-2-40
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BEND TEST:

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

Muhammad Azhar

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE,Barrage, IBC.(Rehabilitation And Modernization Of Islam Bridge)

Client Reference: IBC/RE/UET-052

SOM Lab

Ref:

1386 (Page-1c/1)

Dated: 11-12-2022

Dated:

12-12-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Pak 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	0.674	4	0.502	0.20	0.198	4.49	6.03	49460	49960	66550	67220	2.00	8.0	25.0	RS-1-40
2	0.672	4	0.501	0.20	0.197	4.08	5.78	44970	45650	63740	64710	1.90	8.0	23.8	RS-1-40
3	0.675	4	0.502	0.20	0.198	4.40	6.14	48560	49050	67670	68360	1.80	8.0	22.5	RS-1-40
4	0.674	4	0.502	0.20	0.198	4.23	5.86	46650	47120	64640	65290	1.70	8.0	21.3	RS-1-40
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BEND TEST:

# 4	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

Sarfraz Rasheed

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

GM Constructions Ittefaq Building Solution.(Ahmad Latif Residence)

SOM Lab

Client Reference: Nil

Ref:

1387 (Page-1/1)

Dated: 12-12-2022

Dated:

12-12-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.621	8	0.990	0.79	0.770	24.97	34.22	69720	71540	95530	98020	1.30	8.0	16.3	
2	1.679	6	0.792	0.44	0.493	20.29	22.91	101680	90750	114810	102470	1.20	8.0	15.0	
3	0.669	4	0.501	0.20	0.197	7.26	8.84	80040	81260	97460	98940	1.10	8.0	13.8	
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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