

Raja Muhammad Aqeel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Astt Dir.Building Section DHA Gujranwala.(Const Of Villas Block-C)

Client Reference: 111/3/AD Bldgs/Gen/46

SOM Lab

Ref:

2207 (Page-1/1)

Dated: 17-05-2023

Dated:

18-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (SJ

Gauge Length:

8 inch

Sample Type:

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	1.469	6	0.742	0.44	0.432	14.32	18.88	71790	73120	94630	96380	1.50	8.0	18.8	
2	1.456	6	0.738	0.44	0.428	14.22	18.76	71280	73280	94020	96650	1.60	8.0	20.0	
3	0.672	4	0.501	0.20	0.197	6.65	8.72	73290	74410	96110	97570	1.40	8.0	17.5	
4	0.679	4	0.505	0.20	0.200	6.93	8.97	76440	76440	98920	98920	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>  <b>Only Six Samples Received and Tested</b>
# 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)

Fahid Javed

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

RE UMDS JV Cconsultants Sialkot.(Uppardation, Lot-04: Construction Of Flyover in Sialkot)

Client Reference: RE/UMDS-JV/LOT-4/SKT/18

SOM Lab

Ref: 2208 (Page-1/1)

Dated: 15-05-2023

Dated: 18-05-2023

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.666	8	0.998	0.79	0.783	24.97	34.40	69720	70350	96050	96910	1.50	8.0	18.8	
2	2.659	8	0.997	0.79	0.781	25.74	34.10	71860	72690	95190	96290	1.40	8.0	17.5	
3	1.488	6	0.746	0.44	0.437	14.14	19.18	70870	71360	96160	96820	1.30	8.0	16.3	
4	1.481	6	0.744	0.44	0.435	14.27	19.24	71540	72360	96420	97530	1.30	8.0	16.3	
5	1.046	5	0.625	0.31	0.307	9.73	13.20	69260	69940	93920	94830	1.30	8.0	16.3	
6	1.043	5	0.625	0.31	0.307	9.68	13.20	68900	69570	93920	94830	1.30	8.0	16.3	
7	0.668	4	0.500	0.20	0.196	6.68	8.94	73630	75130	98580	100600	1.20	8.0	15.0	
8	0.670	4	0.501	0.20	0.197	6.68	8.92	73630	74750	98360	99860	1.10	8.0	13.8	
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**BEND TEST:**

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

Mirza Muhammad Shahzad,RE

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

Nespak Lahore.(Const Of Multi-Level Grade Separation Flyover at Shahdra Morr Lahore)

Client Reference: 4537/03/MSA/09/36

SOM Lab

Ref: 2209 (Page-1/1)

Dated: 16-05-2023

Dated: 18-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Mughal 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.607	8	0.988	0.79	0.766	24.87	32.31	69440	71620	90210	93040	1.50	8.0	18.8	D-8279
2	2.608	8	0.988	0.79	0.766	24.89	32.31	69500	71670	90210	93040	1.40	8.0	17.5	D-8279
3	1.478	6	0.743	0.44	0.434	15.11	19.27	75720	76770	96570	97910	1.10	8.0	13.8	D-8243
4	1.471	6	0.742	0.44	0.432	15.04	19.22	75370	76760	96320	98100	1.20	8.0	15.0	D-8243
5	1.029	5	0.620	0.31	0.302	11.23	13.35	79920	82040	95000	97520	1.20	8.0	15.0	D-8088
6	1.027	5	0.620	0.31	0.302	11.44	13.40	81370	83530	95370	97890	1.20	8.0	15.0	D-8088
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-  Only Nine Samples Received and Tested</b>
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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)

Sub Divisional Officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

BSD No.1 Bahawalpur.(Drinking Water Facility in Under Const. Judicial Complex Bwp)

Client Reference: Nil

SOM Lab

Ref:

2210 (Page-1/1)

Dated: 17-05-2023

Dated:

18-05-2023

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.661	8	0.998	0.79	0.782	25.33	33.74	70720	71440	94200	95160	1.30	8.0	16.3	
2	1.470	6	0.742	0.44	0.432	13.76	19.11	68980	70260	95800	97580	1.50	8.0	18.8	
3	0.668	4	0.500	0.20	0.196	6.22	8.56	68570	69970	94420	96350	1.30	8.0	16.3	
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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 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)

Engr. Waseem Ahmad

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Director Works-UPR.(Reconst.Of Chhottagala Campus,University Of Poonch Rawalakot)

Client Reference: UPR/Works/1445-1447/2023

SOM Lab

Ref:

2211 (Page-1/1)

Dated: 12-05-2023

Dated:

18-05-2023

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.079	7	0.882	0.60	0.611	19.98	30.09	73440	72120	110610	108620	1.10	8.0	13.8	
2	2.087	7	0.883	0.60	0.613	19.37	28.80	71190	69680	105850	103610	1.00	8.0	12.5	
3	1.086	5	0.637	0.31	0.319	9.55	14.22	67960	66040	101170	98310	1.50	8.0	18.8	
4	1.013	5	0.616	0.31	0.298	7.97	12.84	56710	59000	91380	95060	1.20	8.0	15.0	
5	0.671	4	0.501	0.20	0.197	7.16	9.30	78910	80110	102520	104080	1.20	8.0	15.0	
6	0.671	4	0.501	0.20	0.197	6.22	8.43	68570	69620	92960	94380	1.10	8.0	13.8	
7	0.388	3	0.381	0.11	0.114	4.16	5.47	83390	80460	109750	105900	1.20	8.0	15.0	
8	0.390	3	0.383	0.11	0.115	3.57	4.35	71540	68430	87270	83480	1.00	8.0	12.5	
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**BEND TEST:**

# 7	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-  Only Twelve Samples Received and Tested</b>
# 5	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	
# 3	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)

New Metro City

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

Housing Scheme Manager QA/QC Mandi Bahauddin.(New Metro City Mandi Bahuddin)

Client Reference: NMC/MBD/33

SOM Lab

Ref: 2212 (Page-1/1)

Dated: 17-05-2023

Dated: 18-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Nomee 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	1.490	6	0.747	0.44	0.438	12.74	20.13	63870	64160	100910	101370	1.50	8.0	18.8	
2	1.487	6	0.746	0.44	0.437	12.84	20.03	64380	64820	100400	101090	1.30	8.0	16.3	
3	0.661	4	0.497	0.20	0.194	5.86	8.94	64640	66640	98580	101630	1.20	8.0	15.0	
4	0.667	4	0.500	0.20	0.196	5.91	9.04	65200	66530	99710	101740	1.20	8.0	15.0	
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**BEND TEST:**

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

Muhammad Azmat ,RE

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

Nespak-Turk Pak JV, MCH Bwn.(Estb Of 200 Bedded Mother And Child Hospital & Nursing College)

Client Reference: 4460/13/MA/04/240

SOM Lab

Ref: 2213 (Page-1/1)

Dated: 16-05-2023

Dated: 18-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (SJ

Gauge Length: 8 inch

Sample Type:

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	2.645	8	0.995	0.79	0.777	27.14	34.76	75760	77020	97040	98670	1.40	8.0	17.5	
2	2.655	8	0.997	0.79	0.780	26.88	34.61	75050	76010	96620	97850	1.40	8.0	17.5	
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Witnessed By: Haseeb Zia (Assistant Engineer, IDAP)

**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engineer Muhammad Irfan  
Asst Dir Infra. DHA Gujranwala.(Sector C)

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

Client Reference: 111/15/AD/RS/Lab/Pkg-2A/1310

SOM Lab

Ref: 2222 (Page-1/1)

Dated: 08-05-2023

Dated: 18-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Siraj 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	0.643	4	0.491	0.20	0.189	5.81	8.63	64080	67800	95210	100750	1.20	8.0	15.0	
2	0.645	4	0.492	0.20	0.190	5.81	8.58	64080	67450	94650	99630	1.10	8.0	13.8	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)