

Muhammad Waqas Younis
Maintenance Engineer PU, Lahore (University of the Punjab)

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: D-1678-ME-IV

Dated: 30-09-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5133 (Page-1/1)

Dated: 12-10-2021

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.670	8	1.000	0.79	0.785	26.04	34.22	72710	73180	95530	96140	1.30	8.0	16.3	
2	2.690	8	1.004	0.79	0.791	26.22	34.45	73200	73100	96190	96070	1.20	8.0	15.0	
3	1.498	6	0.748	0.44	0.440	12.92	20.46	64740	64740	102550	102550	1.10	8.0	13.8	
4	1.494	6	0.748	0.44	0.439	12.81	20.54	64230	64380	102960	103190	1.20	8.0	15.0	
5	0.662	4	0.498	0.20	0.195	6.34	9.63	69920	71710	106230	108950	1.30	8.0	16.3	
6	0.661	4	0.497	0.20	0.194	6.24	9.55	68800	70920	105330	108590	1.20	8.0	15.0	
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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

Abdullah Hussain

Resident Engineer, Nespak Office, Street Ayesha Masjid, Rawail Pura Sialkot, E&PHE Div., Nespak Pvt. Ltd. Lahore

Test Performed By:

Dr. /Engr. S. Asad Ali Gilla

Client Reference: Nespak/SAH/UET/L2/01

SOM Lab Ref:

5135(Page-1/1)

Dated: 11-10-2021

Dated:

12-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage Length: 8 inch

Sample Type:

Deformed Bar (Mehboob Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation
		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	1.020	5	0.618	0.31	0.300	11.98	14.19	85210	88060	100950	104320	1.00	8.0	12.5
2	1.031	5	0.621	0.31	0.303	9.55	12.61	67960	69530	89710	91780	1.00	8.0	12.5
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BEND TEST:

# 5	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

Sub Divisional Officer
 Farooqabad Link Sub Division, Farooqabad

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

Client Reference: 121/RO

SOM Lab

Ref: 5136(Page-1/1)

Dated: 04-08-2021

Dated: 12-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ali Supreme 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	1.485	6	0.745	0.44	0.436	13.22	19.32	66270	66880	96830	97710	1.40	8.0	17.5	
2	1.531	6	0.757	0.44	0.450	12.74	18.81	63870	62450	94270	92180	1.40	8.0	17.5	
3	0.695	4	0.510	0.20	0.204	5.15	7.41	56770	55660	81720	80120	1.00	8.0	12.5	
4	0.678	4	0.503	0.20	0.199	6.80	9.07	74980	75360	100050	100550	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

Engr. Javed Asad

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

Chief Resident Engineer, JIP Consultants Jalalpur Sharif, Jalalpur Irrigation Project (JIP)

Client Reference: JIPIC/TECH//P-3/CRE/20

SOM Lab

Ref: 5137(Page-1/1)

Dated: 12-10-2021

Dated: 12-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mughal & 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	1.581	6	0.769	0.44	0.465	16.23	20.15	81340	76970	101020	95590	1.20	8.0	15.0	Mughal
2	1.491	6	0.747	0.44	0.438	15.99	19.44	80170	80540	97440	97880	1.20	8.0	15.0	Mughal
3	1.035	5	0.622	0.31	0.304	11.44	14.80	81370	82980	105300	107380	1.20	8.0	15.0	Mughal
4	1.029	5	0.620	0.31	0.302	11.95	15.31	85000	87250	108930	111810	1.10	8.0	13.8	Mughal
5	0.671	4	0.501	0.20	0.197	7.51	9.48	82850	84110	104540	106130	1.00	8.0	12.5	Pak
6	0.656	4	0.496	0.20	0.193	8.18	10.09	90150	93420	111290	115320	0.90	8.0	11.3	Pak
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine 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

Ashraf Ali
Resident Engineer, AZ Engineering Associates, Sargodha Residency

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: RE/AZEA/SGD/1882

Dated: 30-09-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5138 (Page-1/1)

Dated: 12-10-2021

ASTM-A-615

Plain 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	1.661	6	0.788	0.44	0.488	12.97	19.54	65000	58600	97950	88320	1.50	8.0	18.8	
2	1.656	6	0.787	0.44	0.487	12.76	19.39	63970	57800	97180	87810	1.60	8.0	20.0	
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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

