

Mirza Muhammad Shahzad,RE

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

Nespak Lahore.(Const Of Flyover at Shahdra Morr & Const of Bridge Over River Ravi,Lahore)

Client Reference: 4537/03/MSA/09/209

SOM Lab

Ref: 3767 (Page-1/2)

Dated: 06-03-2024

Dated: 07-03-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: 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	2.583	8	0.983	0.79	0.759	25.89	33.86	72290	75240	94540	98400	1.50	8.0	18.8	H #C-138
2	1.485	6	0.745	0.44	0.436	14.85	18.57	74450	75130	93100	93950	1.30	8.0	16.3	H #D-071
3	1.031	5	0.621	0.31	0.303	10.32	13.68	73390	75090	97330	99570	1.20	8.0	15.0	H#D-5450
4	1.041	5	0.624	0.31	0.306	10.52	13.88	74840	75820	98780	100070	1.20	8.0	15.0	H#D-9970
5	0.648	4	0.492	0.20	0.190	7.03	8.87	77560	81650	97800	102940	1.00	8.0	12.5	H #D-131
6	0.658	4	0.496	0.20	0.193	7.51	9.17	82850	85850	101170	104840	1.00	8.0	12.5	H #D-133
7	0.657	4	0.496	0.20	0.193	6.83	8.61	75320	78050	94990	98430	1.10	8.0	13.8	H #F-262
8	0.658	4	0.496	0.20	0.193	7.16	9.25	78910	81770	101960	105650	1.10	8.0	13.8	H #F-263
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BEND TEST:

Sr.# (1)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Sixteen Samples Received and Tested
Sr.# (2)	Sample bend through 180 degrees Satisfactorily without any crack	
Sr.# (3-4)	Sample bend through 180 degrees Satisfactorily without any crack	
Sr.# (5-8)	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

Mirza Muhammad Shahzad,RE

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

Nespak Lahore.(Const Of Flyover at Shahdra Morr & Const of Bridge Over River Ravi,Lahore)

Client Reference: 4537/03/MSA/09/210

SOM Lab

Ref: 3767 (Page-2/2)

Dated: 06-03-2024

Dated: 07-03-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Aziz 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	2.660	8	0.998	0.79	0.782	22.68	36.36	63320	63970	101510	102550	1.50	8.0	18.8	H # 606
2	2.657	8	0.997	0.79	0.781	22.68	36.24	63320	64050	101170	102330	1.50	8.0	18.8	H # 608
3	0.661	4	0.497	0.20	0.194	6.08	8.72	67000	69070	96110	99080	1.20	8.0	15.0	H # 6
4	0.660	4	0.497	0.20	0.194	5.96	8.74	65760	67800	96340	99310	1.20	8.0	15.0	H # 19
5	0.660	4	0.497	0.20	0.194	5.76	8.66	63510	65480	95550	98500	1.10	8.0	13.8	H # 696
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BEND TEST:

Sr.# (1-2)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Ten Samples Received and Tested
Sr.# (3-5)	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

M-Ashraf Javaid

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

Project Incharge Ijaz Cotton Pvt Ltd.(Ijaz Cotton at 34KM Nabi Baksh Derozpur Road Lahore)

Client Reference: MST./B-Lantor+Beam & G/Floor Coulmn`s

SOM Lab

Ref: 3768 (Page-1/1)

Dated: 05-03-2024

Dated: 07-03-2024

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	2.671	8	1.000	0.79	0.785	24.54	33.79	68500	68940	94340	94940	1.60	8.0	20.0	
2	2.665	8	0.998	0.79	0.783	24.11	33.08	67310	67910	92350	93170	1.50	8.0	18.8	
3	1.509	6	0.751	0.44	0.443	14.68	19.75	73580	73080	98970	98300	1.50	8.0	18.8	
4	1.544	6	0.760	0.44	0.454	15.85	20.44	79450	77000	102450	99290	1.40	8.0	17.5	
5	0.662	4	0.498	0.20	0.195	5.96	8.21	65760	67450	90490	92810	1.50	8.0	18.8	
6	0.664	4	0.498	0.20	0.195	5.91	8.18	65200	66870	90150	92460	1.40	8.0	17.5	
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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

Syed Mohsin Ali RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

QA/QC Deptt. Bahria Town Lhr. (Accommodation at Sector G Bahria Town Lahore)

Client Reference: QA/QC/Steel-3603

SOM Lab

Ref:

3769 (Page-1/1)

Dated: 07-03-2024

Dated:

07-03-2024

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	0.701	4	0.512	0.20	0.206	6.78	9.45	74750	72580	104200	101170	1.30	8.0	16.3	
2	0.671	4	0.501	0.20	0.197	6.57	9.09	72510	73610	100270	101800	1.30	8.0	16.3	
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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

Sub Divisional Officer

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

BSD No.1 Gujranwala.(Const. of Block For Revenue Record of Deputy Commissioner Office Grw)

Client Reference: 2061/G-19

SOM Lab

Ref: 3770 (Page-1/1)

Dated: 04-12-2023

Dated: 07-03-2024

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	2.747	8	1.014	0.79	0.807	29.97	39.42	83670	81910	110050	107730	1.40	8.0	17.5	
2	2.740	8	1.012	0.79	0.805	32.52	40.16	90780	89090	112120	110040	1.50	8.0	18.8	
3	1.496	6	0.748	0.44	0.440	16.72	20.59	83800	83800	103210	103210	1.30	8.0	16.3	
4	1.488	6	0.746	0.44	0.437	16.23	20.18	81340	81900	101170	101860	1.50	8.0	18.8	
5	0.680	4	0.505	0.20	0.200	5.76	8.51	63510	63510	93860	93860	1.10	8.0	13.8	
6	0.674	4	0.502	0.20	0.198	6.07	8.53	66890	67560	94090	95040	1.20	8.0	15.0	
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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

M.Asim Khan
PE/Head Civil,KCI

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

Client Reference: Nil

SOM Lab

Ref: 3771 (Page-1/1)

Dated: 07-03-2024

Dated: 07-03-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (FF Steel)

ASTM-A-615

Deformed Bar (FF 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	1.490	6	0.747	0.44	0.438	14.19	19.88	71130	71450	99640	100090	1.00	8.0	12.5	
2	1.487	6	0.746	0.44	0.437	14.14	19.80	70870	71360	99230	99910	1.20	8.0	15.0	
3	1.487	6	0.746	0.44	0.437	13.99	19.72	70100	70590	98870	99550	1.10	8.0	13.8	
4	1.033	5	0.622	0.31	0.304	10.65	13.93	75790	77280	99140	101100	1.20	8.0	15.0	
5	1.033	5	0.622	0.31	0.304	10.65	13.88	75790	77280	98780	100730	1.20	8.0	15.0	
6	1.029	5	0.620	0.31	0.302	10.65	13.86	75790	77790	98630	101240	1.20	8.0	15.0	
7	0.664	4	0.498	0.20	0.195	6.68	9.02	73630	75520	99480	102030	1.40	8.0	17.5	
8	0.662	4	0.498	0.20	0.195	6.68	8.99	73630	75520	99150	101690	1.30	8.0	16.3	
9	0.663	4	0.498	0.20	0.195	6.70	8.99	73850	75750	99150	101690	1.40	8.0	17.5	
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Witnessed By: Sami Ilyas

BEND TEST:

# 6	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	

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