

Muhammad Azmat ,RE

Test Performed By: Dr. /Engr. Irfan Ul Hassan

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

Client Reference: 4460/13/MA/04/311

SOM Lab

Ref: 2712 (Page-1/1)

Dated: 20-08-2023

Dated: 21-08-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Faizan 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	2.655	8	0.997	0.79	0.780	26.10	34.56	72850	73790	96470	97710	1.50	8.00	18.8	
2	2.657	8	0.997	0.79	0.781	25.74	34.25	71860	72690	95620	96720	1.30	8.00	16.3	
3	1.501	6	0.749	0.44	0.441	13.97	19.44	70000	69840	97440	97220	1.20	8.00	15.0	
4	1.500	6	0.749	0.44	0.441	13.76	19.55	68980	68820	98000	97780	1.50	8.00	18.8	
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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	

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

Tanvir Naqvi, RE

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

Nespak, Gujranwala. (Const Of Dual Carriageway From GT Rd To Lahore-Sialkot Motorway)

Client Reference: 103/EW/GRW/TN/Lab/18

SOM Lab

Ref: 2713 (Page-1/1)

Dated: 21-08-2023

Dated: 21-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Amreli 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	2.640	8	0.994	0.79	0.776	30.14	36.16	84150	85670	100940	102760	1.30	8.0	16.3	
2	2.663	8	0.998	0.79	0.783	31.55	36.87	88080	88870	102930	103850	1.40	8.0	17.5	
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BEND TEST:

# 8	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

Qasiser Nadeem,A/XEN

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

E&M GE(Air) Rafiqui.(Main Briefing Room With Allied Facilities at HQ No.50 TA sqn at PAF)

Client Reference: 6689/24/E-6

SOM Lab

Ref: 2714 (Page-1/1)

Dated: 18-08-2023

Dated: 21-08-2023

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	1.513	6	0.753	0.44	0.445	17.38	21.00	87120	86140	105260	104070	1.30	8.00	16.3	
2	1.513	6	0.753	0.44	0.445	17.38	21.02	87120	86140	105360	104170	1.30	8.00	16.3	
3	1.029	5	0.620	0.31	0.302	10.55	13.91	75060	77050	98990	101620	1.20	8.00	15.0	
4	1.016	5	0.617	0.31	0.299	10.65	13.83	75790	78580	98410	102030	1.20	8.00	15.0	
5	0.670	4	0.501	0.20	0.197	7.24	8.79	79810	81030	96900	98370	1.10	8.00	13.8	
6	0.666	4	0.500	0.20	0.196	7.05	8.77	77790	79380	96670	98650	1.20	8.00	15.0	
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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

Muhammad Hassan Khan, RE

Test Performed By: Dr. /Engr. Nauman Khurram

Nespak Lahore.(Const.Of Underpass Along Bedian Road at Roundabout Near Lahore Ring Road Lhr)

Client Reference: 3772/103/BU/MHK/04/17

SOM Lab

Ref: 2715 (Page-1/1)

Dated: 09-08-2023

Dated: 21-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Shekhoo 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	1.615	6	0.778	0.44	0.475	16.67	21.66	83540	77390	108580	100580	1.30	8.0	16.3	
2	1.630	6	0.781	0.44	0.479	15.65	21.48	78430	72050	107660	98890	1.40	8.0	17.5	
3	0.663	4	0.498	0.20	0.195	6.75	8.94	74420	76320	98580	101110	1.20	8.0	15.0	
4	0.675	4	0.502	0.20	0.198	6.57	8.82	72510	73240	97230	98220	1.10	8.0	13.8	
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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

Muhammad Awais, RE
Nespak Gojra.(Const.Of Railway Underpass Gojra, Distt Toba Tek Singh)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: P4595/23/MA/03

Dated: 25-06-2023

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 2716 (Page-1/1)

Dated: 21-08-2023

Test Specification: ASTM-A-615

Sample Type: Deformed Bar (Kisan 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	2.586	8	0.984	0.79	0.760	21.56	32.87	60190	62570	91780	95400	1.00	8.0	12.5	
2	2.609	8	0.988	0.79	0.767	22.40	34.02	62520	64400	94970	97810	1.10	8.0	13.8	
3	0.668	4	0.500	0.20	0.196	6.57	9.65	72510	73990	106450	108620	1.00	8.0	12.5	
4	0.668	4	0.500	0.20	0.196	6.37	9.60	70260	71690	105890	108050	1.10	8.0	13.8	
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Witnessed By: Syed Bilal Ghazi (Chief Materials Specialist, NESPAK)

BEND TEST:

# 8	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