

New Shahzad & Co.

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

Sheikhupura.(Const. Of Blume Agri (Ovt) Ltd at Quaid-e-Azam Business Park Sheikhupura)

Client Reference: Nil

Dated : 31-08-2023

SOM Lab Ref: CED/SOM/2728-84(Page-1/1)

Dated : 23-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 m

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	1.527	16	15.72	201	194	96.00	130.20	477	495	648	672	30.0	200	15.0	
2	1.530	16	15.75	201	195	96.20	130.00	478	494	647	668	32.5	200	16.3	
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BEND TEST:

16mm	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

Mirza Muhammad Shahzad,RE

Test Performed By: Dr. /Engr. Nauman Khurram

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

Client Reference: 4537/03/MSA/09/105

SOM Lab

Ref: 2724 (Page-1/2)

Dated: 18-08-2023

Dated: 23-08-2023

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.623	8	0.991	0.79	0.771	27.37	35.60	76410	78290	99380	101830	1.30	8.0	16.3	SJ-78
2	2.628	8	0.991	0.79	0.772	27.44	35.44	76610	78400	98950	101260	1.50	8.0	18.8	SJ-78
3	1.544	6	0.760	0.44	0.454	15.09	19.37	75620	73290	97080	94090	1.40	8.0	17.5	SJ-60
4	1.518	6	0.754	0.44	0.446	14.93	19.32	74860	73850	96830	95520	1.30	8.0	16.3	SJ-61
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BEND TEST:

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

Mirza Muhammad Shahzad,RE

Test Performed By: Dr. /Engr. Nauman Khurram

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

Client Reference: 4537/03/MSA/09/108

SOM Lab

Ref: 2724 (Page-2/2)

Dated: 21-08-2023

Dated: 23-08-2023

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.492	6	0.747	0.44	0.438	15.26	19.75	76490	76840	98970	99420	1.20	8.0	15.0	SJ-90
2	1.518	6	0.754	0.44	0.446	15.46	19.85	77510	76470	99480	98140	1.40	8.0	17.5	SJ-91
3	1.494	6	0.748	0.44	0.439	14.53	19.01	72810	72980	95290	95510	1.40	8.0	17.5	SJ-92
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BEND TEST:

# 6	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	
# 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

Assistant Director (DC-II)

Test Performed By: Dr. /Engr. Nauman Khurram

WASA,FDA,Fsd.(Enhancement Of Pumping Capacity & Imp Of Civil Structures Of Different D/Station)

Client Reference: 189/AD/DC-II/WASA2023

SOM Lab

Ref: 2725 (Page-1/1)

Dated: 15-08-2023

Dated: 23-08-2023

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	2.666	8	0.998	0.79	0.783	25.40	34.48	70920	71550	96250	97110	1.70	8.0	21.3	
2	2.674	8	1.000	0.79	0.786	25.61	34.53	71490	71850	96390	96880	1.60	8.0	20.0	
3	2.674	8	1.000	0.79	0.786	25.56	34.56	71350	71710	96470	96960	1.50	8.0	18.8	
4	1.601	6	0.774	0.44	0.470	15.21	20.97	76240	71370	105100	98390	1.40	8.0	17.5	
5	1.593	6	0.772	0.44	0.468	15.34	21.20	76900	72300	106280	99920	1.40	8.0	17.5	
6	1.527	6	0.756	0.44	0.449	14.95	20.36	74960	73460	102040	99990	1.30	8.0	16.3	
7	0.671	4	0.501	0.20	0.197	6.68	8.51	73630	74750	93860	95290	1.40	8.0	17.5	
8	0.675	4	0.502	0.20	0.198	6.60	8.48	72730	73470	93530	94470	1.30	8.0	16.3	
9	0.671	4	0.501	0.20	0.197	6.54	8.36	72170	73270	92180	93580	1.40	8.0	17.5	
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BEND TEST:

--	No Bend test performed	Note:- Only Nine Samples Received and Tested

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

Captain Jamil Ahmed

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

For Commander HQ 495 Engr Group NHS Gate No.12 Gulberg-III Lahore.(FWO)

Client Reference: PC 920/Testing/Steel/Ord

SOM Lab

Ref: 2726 (Page-1/1)

Dated: Aug 2023

Dated: 23-08-2023

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	2.679	8	1.001	0.79	0.787	22.34	36.82	62380	62620	102790	103180	1.50	8.00	18.8	
2	2.687	8	1.003	0.79	0.790	22.24	36.24	62100	62100	101170	101170	1.40	8.00	17.5	
3	1.514	6	0.753	0.44	0.445	13.66	21.97	68470	67700	110110	108870	1.30	8.00	16.3	
4	1.511	6	0.752	0.44	0.444	13.91	22.22	69750	69120	111390	110380	1.30	8.00	16.3	
5	0.671	4	0.501	0.20	0.197	5.78	9.40	63740	64710	103640	105220	1.20	8.00	15.0	
6	0.672	4	0.501	0.20	0.197	6.07	10.01	66890	67900	110390	112070	1.20	8.00	15.0	
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BEND TEST:

Sr. (1-2)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
Sr. (3-4)	Sample bend through 180 degrees Satisfactorily without any crack	
Sr. (5-6)	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

Engr. Muhammad Ashraf Bhatti

Test Performed By:

Dr. /Engr.

Nauman
Khurram

CM Barqaab Consult.Services (Pvt) Ltd.(500/220/132kV Nokhar S/Station,ADB Loan No.3677-Pak)

Client Reference: 500KV/SS/N-LHR/BQB/128

SOM Lab

Ref:

2727 (Page-1/1)

Dated: 21-08-2023

Dated:

23-08-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

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	1.497	6	0.748	0.44	0.440	14.24	19.34	71380	71380	96930	96930	1.50	8.0	18.8	
2	1.500	6	0.749	0.44	0.441	14.73	20.03	73830	73670	100400	100170	1.40	8.0	17.5	
3	1.501	6	0.749	0.44	0.441	13.78	19.52	69080	68930	97850	97630	1.20	8.0	15.0	
4	1.494	6	0.748	0.44	0.439	14.29	19.49	71640	71800	97690	97920	1.40	8.0	17.5	
5	1.497	6	0.748	0.44	0.440	14.17	19.75	71020	71020	98970	98970	1.30	8.0	16.3	
6	1.502	6	0.749	0.44	0.441	15.11	20.56	75720	75550	103060	102830	1.30	8.0	16.3	
7	1.501	6	0.749	0.44	0.441	14.39	19.13	72150	71980	95910	95690	1.30	8.0	16.3	
8	1.063	5	0.630	0.31	0.312	9.45	13.48	67230	66800	95880	95260	1.40	8.0	17.5	
9	1.067	5	0.632	0.31	0.314	9.40	13.56	66870	66020	96460	95230	1.30	8.0	16.3	
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Witnessed By:

M. Adnan (Civil Engineer), Zahid (NTDC)

BEND TEST:

Sr. (1-7)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Seventeen Samples Received and Tested
Sr. (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

Kashif-UI-Haq ,RE

Test Performed By: Dr. /Engr. Nauman Khurram

G3 Engg Consult.(Project: Strengthening & Expansion Of Uni of Gujrat & Allied Campus Narowal)

Client Reference: G3/UON-RE/366

SOM Lab

Ref: 2729 (Page-1/1)

Dated: 22-08-2023

Dated: 23-08-2023

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	2.565	8	0.980	0.79	0.754	23.11	31.55	64520	67600	88080	92280	1.60	8.0	20.0	
2	2.569	6	0.980	0.44	0.755	23.65	31.86	118540	69090	159670	93060	1.50	8.0	18.8	
3	1.486	6	0.746	0.44	0.437	14.85	19.22	74450	74960	96320	96980	1.30	8.0	16.3	
4	1.492	6	0.747	0.44	0.438	14.80	19.16	74190	74530	96060	96500	1.20	8.0	15.0	
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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