Test Performed by: S. Asad Ali Gillani

Muhammad Arfat
Resident Engineer
ACE-ARTS (Consultants) UAEET Sambrial,Sialkot.
(Establishment of UAEET Sambrial, Sialkot)

Client Reference No.: ER/UAEET/ACE/ME/2024/08 Dated: 22-03-2024

SOM Lab Ref: CED/SOM/3891(Page 1/2) Dated: 28-03-2024

Test Type: Tensile Test & Thickness Test Test Specification: ASTM-A 36

Sample Type: MS Seamless Pipes, Dia, ¾", 1"

Tensile Test Results

Sr. No.	Sample Type	Size of strip (mm)	X Section Area (mm^2)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongation (inch)	% Elongation
1	MS Seamless Pipes, Dia, ¾"	20.3 x 3.0	60.90	19.70	29.50	323.48	484.40	0.25	12.50
2	MS Seamless Pipes, Dia, ¾"	19.70 x 3.0	59.10	21.20	32.50	358.71	549.92	0.25	12.50
3	MS Seamless Pipes, Dia, ¾"	20.9 x 2.95	61.66	19.00	28.50	308.17	462.25	0.25	12.50
4	MS Seamless Pipes, Dia, ¾"	21.35 x 3.0	64.05	18.20	29.20	284.15	455.89	0.30	15.00
5	MS Seamless Pipes, Dia, 1"	30.2 x 3.50	105.70	36.00	48.20	340.59	456.01	0.25	12.50
6	MS Seamless Pipes, Dia, 1"	30.4 x 3.45	104.88	41.70	52.20	397.60	497.71	0.40	20.00
7	MS Seamless Pipes, Dia, 1"	30.4 x 3.50	106.40	37.80	49.70	355.26	467.11	0.30	15.00
8	MS Seamless Pipes, Dia, 1"	28.4 x 3.45	97.98	36.70	49.00	374.57	500.10	0.40	20.00

Test Performed by: S. Asad Ali Gillani

Muhammad Arfat
Resident Engineer
ACE-ARTS (Consultants) UAEET Sambrial,Sialkot.
(Establishment of UAEET Sambrial, Sialkot)

Client Reference No.: ER/UAEET/ACE/ME/2024/08 Dated: 22-03-2024

SOM Lab Ref: CED/SOM/3891(Page 2/2) Dated: 28-03-2024

Test Type: Tensile Test & Thickness Test Test Specification: ASTM-A 36

Sample Type: MS Seamless Pipes, Dia,1-1/2”

Tensile Test Results

Sr. No.	Sample Type	Size of strip (mm)	X Section Area (mm^2)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongation (inch)	% Elongation
9	MS Seamless Pipes, Dia, 1-1/2”	55.6x3.90	216.84	87.00	96.00	401.22	442.72	0.30	15.00
10	MS Seamless Pipes, Dia, 1-1/2”	49.5x3.85	190.58	82.00	90.00	430.28	472.26	0.40	20.00
11	MS Seamless Pipes, Dia, 1-1/2”	52.2x3.80	198.36	84.00	96.70	423.47	487.50	0.50	25.00
12	MS Seamless Pipes, Dia,1-1/2”	52.2x3.85	200.97	89.00	98.00	442.85	487.63	0.45	22.50

Thickness Test Results

Sr. No	Sample Type	Thickness (mm)
1	MS Seamless Pipes, Dia, ¾”	3.0
2	MS Seamless Pipes, Dia, ¾”	3.0
3	MS Seamless Pipes, Dia, 1”	3.50
4	MS Seamless Pipes, Dia, 1”	3.45
5	MS Seamless Pipes, Dia, 1-1/2”	3.85
6	MS Seamless Pipes, Dia,1-1/2”	3.90

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

Syed Qamar Nisar Ali **Test Performed By:** **Dr. /Engr.** Asad ali Gillani

AE B&R GE(Air) Rafiqui.(Const Of Admin Block and external Services in Medical Sqn,Ph-I)

Client Reference: 6700/22/E-6 **SOM Lab Ref:** 3885 (Page-1/1)

Dated: 14-03-2024 **Dated:** 28-03-2024

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	1.488	6	0.746	0.44	0.437	15.62	20.08	78280	78820	100660	101350	1.30	8.0	16.3	
2	1.493	6	0.748	0.44	0.439	15.55	20.03	77920	78100	100400	100630	1.40	8.0	17.5	
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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

Nauman Mustafa,PD **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Punjab Industrial Estates R.Y.khan (Const./Maintenance Works at R.Y. Khan Industrial Estate)

SOM Lab

Client Reference: PIE/PD/RIE/0647 **Ref:** 3886(Page-1/1)

Dated: 22-03-2024 **Dated:** 28-03-2024

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (SJ 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	0.652	4	0.494	0.20	0.192	5.55	8.48	61150	63700	93530	97420	1.30	8.0	16.3	
2	0.654	4	0.494	0.20	0.192	5.57	8.53	61380	63940	94090	98010	1.10	8.0	13.8	
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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

Mian Muhammad Arif
Lahore

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

Client Reference: Nil
Dated: 28-03-2024

SOM Lab Ref: 3887 (Page-1/1)
Dated: 28-03-2024

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	1.410	6	0.726	0.44	0.414	9.76	15.06	48900	51970	75470	80210	1.00	8.0	12.5	
2	1.472	6	0.743	0.44	0.433	11.57	18.35	58000	58930	91970	93460	1.20	8.0	15.0	
3	0.574	4	0.464	0.20	0.169	5.32	8.10	58680	69440	89370	105760	1.00	8.0	12.5	
4	0.572	4	0.462	0.20	0.168	5.35	8.05	59020	70260	88800	105720	1.00	8.0	12.5	
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BEND TEST:

# 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

Assisstant Engineer © **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

University Of Sargodha.(Const.Of Gym/Fitness Center at University Of Sargodha)

SOM Lab

Client Reference: SU/A.E©/193.-24 **Ref:** 3888 (Page-1/1)

Dated: 08-03-2024 **Dated:** 28-03-2024

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	2.637	8	0.993	0.79	0.775	25.43	35.27	71000	72380	98470	100370	1.40	8.0	17.5	
2	2.644	8	0.995	0.79	0.777	25.38	35.27	70860	72050	98470	100110	1.50	8.0	18.8	
3	1.496	6	0.748	0.44	0.440	14.50	19.03	72660	72660	95400	95400	1.60	8.0	20.0	
4	1.496	6	0.748	0.44	0.440	14.50	19.03	72660	72660	95400	95400	1.60	8.0	20.0	
5	0.666	4	0.500	0.20	0.196	5.50	8.02	60700	61940	88470	90270	1.50	8.0	18.8	
6	0.667	4	0.500	0.20	0.196	5.47	8.00	60370	61600	88240	90040	1.40	8.0	17.5	
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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 Nine Samples Received and Tested

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

Muhammad Umair Yasir,ARE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

MMP Pkg-I (PCP) Daska.(Rehb of 36" i/d Damaged Sewer Line along Statium Rd in Daska City)

Client Reference: DSK/CON/1094/SW/167/2024 **SOM Lab Ref:** 3889 (Page-1/1)

Dated: 19-03-2024 **Dated:** 28-03-2024

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	0.653	4	0.494	0.20	0.192	5.71	8.84	62950	65570	97460	101520	1.20	8.0	15.0	
2	0.662	4	0.498	0.20	0.195	5.68	8.84	62610	64220	97460	99960	1.10	8.0	13.8	
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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

Assistant Engineer Bridges **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Pakistan Railways Sukkur.Conversion of Girder Bridge into RCC Box Culvert at KM No.446/11-12)

Client Reference: 56-W/492/2021 **SOM Lab Ref:** 3890 (Page-1/1)

Dated: 27-10-2023 **Dated:** 28-03-2024

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	1.526	6	0.755	0.44	0.448	13.66	18.37	68470	67250	92070	90430	1.50	8.0	18.8	
2	1.527	6	0.756	0.44	0.449	13.68	18.47	68570	67200	92590	90730	1.60	8.0	20.0	
3	1.048	5	0.626	0.31	0.308	10.93	13.17	77750	78250	93700	94310	1.10	8.0	13.8	
4	1.048	5	0.626	0.31	0.308	11.13	13.27	79200	79710	94420	95040	1.20	8.0	15.0	
5	0.661	4	0.497	0.20	0.194	5.12	7.92	56430	58180	87340	90040	1.30	8.0	16.3	
6	0.638	4	0.488	0.20	0.187	5.22	8.07	57560	61560	89030	95220	1.20	8.0	15.0	
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BEND TEST:

# 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:-

Only Nine Samples Received and Tested

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

Syed Azhar Hussain,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Techno-Consult Inter.PRSWSS Project North.(NPT-01,Procurement of Civil Works Noorpur Thal)

Client Reference: TCI/PRSWSSP-NORTH/PH-III/NPT-01/014 **SOM Lab Ref:** 3892 (Page-1/1)

Dated: 14-03-2024 **Dated:** 28-03-2024

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	1.509	6	0.751	0.44	0.443	10.45	15.97	52380	52020	80070	79530	1.40	8.0	17.5	
2	1.527	6	0.756	0.44	0.449	10.06	15.72	50430	49420	78790	77210	1.10	8.0	13.8	
3	0.665	4	0.498	0.20	0.195	6.14	7.80	67670	69410	85990	88200	1.00	8.0	12.5	
4	0.668	4	0.500	0.20	0.196	6.34	8.02	69920	71350	88470	90270	1.10	8.0	13.8	
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BEND TEST:

# 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

Q-Links Construction. **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Q-Links Property Management Pvt.Ltd Lhr.(Const of JGM,Bahria Town Lhr)

Client Reference: Jan-LTR-0019 **SOM Lab Ref:** 3893 (Page-1/1)

Dated: 27-03-2024 **Dated:** 28-03-2024

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	1.504	6	0.750	0.44	0.442	14.68	18.73	73580	73250	93860	93440	1.50	8.0	18.8	
2	1.543	6	0.759	0.44	0.453	13.91	19.42	69750	67750	97340	94540	1.30	8.0	16.3	
3	0.672	4	0.501	0.20	0.197	6.37	8.72	70260	71330	96110	97570	1.40	8.0	17.5	
4	0.672	4	0.501	0.20	0.197	5.57	8.43	61380	62310	92960	94380	1.40	8.0	17.5	
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BEND TEST:

# 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

Murat Waseem **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

M/S Premier Town Developers.(Const Of 100,000 G Overhead Water Tank at Al Hamra Town Lhr)

Client Reference: ALHM/OHW/7324 **SOM Lab Ref:** 3894 (Page-1/1)

Dated: 27-03-2024 **Dated:** 28-03-2024

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	1.493	6	0.748	0.44	0.439	14.02	19.18	70260	70420	96160	96380	1.40	8.0	17.5	
2	1.044	5	0.625	0.31	0.307	9.40	13.35	66870	67520	95000	95930	1.50	8.0	18.8	
3	0.670	4	0.501	0.20	0.197	6.39	8.69	70480	71560	95770	97230	1.50	8.0	18.8	
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BEND TEST:

# 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:-

Only Six Samples Received and Tested

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

Sub Divisional Officer,BSD **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Shakargarh.(Distt Disastar Management Cell at Kartarpur Corridore Distt Narowal)

SOM Lab
Client Reference: 1576/Sg **Ref:** 3895 (Page-1/1)
Dated: 13-10-2023 **Dated:** 28-03-2024

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	1.499	6	0.749	0.44	0.441	14.75	18.73	73940	73770	93860	93650	1.40	8.0	17.5	
2	0.665	4	0.498	0.20	0.195	8.23	10.11	90720	93040	111510	114370	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Four Samples Received and Tested

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

Tanveer Ahmad
Manager Civil Shangrila Foods (Pvt) Ltd.Karachi

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

SOM Lab
Ref: 3896 (Page-1/1)
Dated: 28-03-2024

Client Reference: Nil
Dated: 28-03-2024

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.642	8	0.994	0.79	0.776	26.61	36.00	74280	75620	100510	102330	1.30	8.0	16.3	
2	2.642	8	0.994	0.79	0.776	26.91	36.31	75130	76490	101370	103200	1.40	8.0	17.5	
3	1.500	6	0.749	0.44	0.441	14.55	19.08	72910	72750	95650	95430	1.30	8.0	16.3	
4	1.500	6	0.749	0.44	0.441	14.39	19.22	72150	71980	96320	96100	1.40	8.0	17.5	
5	0.674	4	0.502	0.20	0.198	5.68	8.21	62610	63250	90490	91400	1.10	8.0	13.8	
6	0.669	4	0.501	0.20	0.197	7.03	9.02	77560	78750	99480	101000	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 Nine Samples Received and Tested

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