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

PM ICPL (OMBRe' Holding Pvt Ltd Raiwind,Lahore)

Client Reference: OMBRe'/Mughal/Steel/010 **Dated:** 07-10-2022

SOM Lab Ref: CED/SOM/1045(Page-1/1) **Dated:** 07-10-2022

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

Sample Type: M S Deformed Bar (Mughal Steel) **Gauge Length:** 200 mm

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	mm	%	
1	2.458	20	19.96	314	313	174.50	211.50	555	558	673	676	32.5	200	16.3	
2	2.464	20	19.99	314	314	174.50	212.70	555	556	677	678	30.0	200	15.0	
3	0.882	12	11.96	113	112	60.70	75.00	537	541	663	668	25.0	200	12.5	
4	0.875	12	11.91	113	111	58.50	74.00	517	525	654	665	27.5	200	13.8	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	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

Muhammad Construction Comp.
MCC Lahore.(AC plant Civil work 4 No`5)

Test Performed By: **Dr. /Engr.** Wasim Abbas

Client Reference: Nil
SOM Lab Ref: CED/SOM/1051(Page-1/1)
Test: Tension Test & Bend Test
Sample Type: MS Deformed Bar

Dated: 07-10-2022
Dated: 07-10-2022
Test Specification: ASTM-A 615
Gauge Length: 200 mm

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	mm	%	
1	1.567	16	15.96	201	200	89.20	118.20	444	446	588	591	37.5	200	18.8	
2	1.564	16	15.93	201	199	91.70	120.20	456	461	598	604	35.0	200	17.5	
3	0.920	12	12.22	113	117	57.70	72.70	510	493	643	621	30.0	200	15.0	
4	0.927	12	12.26	113	118	58.50	73.50	517	496	650	623	27.5	200	13.8	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	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

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

PM United LifeStyle Pvt. Ltd.(Sky Scraper By United Life Style at Johar Town Lahore)

Client Reference: ULS/2021-22/006 **SOM Lab Ref:** 1044 (Page-1/1)

Dated: 06-10-2022 **Dated:** 06-10-2022

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	2.585	8	0.984	0.79	0.760	24.33	34.25	67930	70610	95620	99390	1.40	8.0	17.5	
2	2.610	8	0.988	0.79	0.767	25.18	35.29	70290	72400	98520	101480	1.40	8.0	17.5	
3	1.496	6	0.748	0.44	0.440	16.28	21.27	81600	81600	106640	106640	1.10	8.0	13.8	
4	1.479	6	0.744	0.44	0.435	15.09	20.41	75620	76490	102290	103470	1.20	8.0	15.0	
5	0.640	4	0.489	0.20	0.188	6.09	7.85	67110	71390	86560	92080	0.90	8.0	11.3	
6	0.646	4	0.492	0.20	0.190	6.22	7.97	68570	72180	87910	92530	0.90	8.0	11.3	
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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

Muhammad Azmat ,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

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

Client Reference: 4460/13/MA/04/56 **SOM Lab Ref:** 1046 (Page-1/1)

Dated: 06-10-2022 **Dated:** 07-10-2022

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	1.505	6	0.750	0.44	0.442	13.78	19.95	69080	68770	99990	99540	1.50	8.0	18.8	
2	1.507	6	0.751	0.44	0.443	13.51	19.93	67700	67240	99890	99220	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

Al-Hadeed Corporation **Test Performed By:** **Dr. /Engr.** S Asad Ali Gillani

Lahore.(Const Of Commercial Building Plot # 39 Block G Gulberg II Lahore)

Client Reference: AHC/553/10 **SOM Lab Ref:** 1047 (Page-1/1)

Dated: 07-10-2022 **Dated:** 07-10-2022

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	2.572	8	0.981	0.79	0.756	19.27	33.59	53790	56210	93770	97990	1.30	8.0	16.3	
2	2.635	8	0.993	0.79	0.774	19.03	31.42	53130	54230	87710	89520	1.50	8.0	18.8	
3	1.457	6	0.738	0.44	0.428	10.93	16.97	54780	56310	85070	87460	1.30	8.0	16.3	
4	1.468	6	0.741	0.44	0.431	11.21	17.38	56210	57380	87120	88940	1.50	8.0	18.8	
5	0.673	4	0.502	0.20	0.198	5.20	7.85	57330	57910	86560	87430	1.50	8.0	18.8	
6	0.668	4	0.500	0.20	0.196	5.17	7.92	56990	58160	87340	89130	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

Engr.Dr.Waqas Arshad Tanoli **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Co-Opted Member Bldg Sub Committee,Office Of The Exec Engr Div-I C& W deptt.Peshawer)

Client Reference: 469/Stdn/C&W **SOM Lab Ref:** 1049 (Page-1/4)
Dated: 04-10-2022 **Dated:** 07-10-2022

Test: Tension Test & Bend Test **Test Specification:** BS-4449
Gauge Length: 2 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	2.663	8	0.998	0.79	0.783	26.25	34.81	73280	73940	97190	98050	0.35	2.0	17.5	
2	2.649	8	0.995	0.79	0.778	26.12	34.63	72910	74040	96670	98160	0.35	2.0	17.5	
3	1.476	6	0.743	0.44	0.434	15.92	20.71	79810	80920	103830	105260	0.30	2.0	15.0	
4	1.471	6	0.742	0.44	0.432	16.13	20.85	80830	82330	104490	106430	0.35	2.0	17.5	
5	0.605	4	0.476	0.20	0.178	5.88	7.44	64860	72880	82060	92200	0.35	2.0	17.5	
6	0.606	4	0.476	0.20	0.178	6.01	7.44	66320	74520	82060	92200	0.30	2.0	15.0	
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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

Engr.Dr.Waqas Arshad Tanoli **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Co-Opted Member Bldg Sub Committee,Office Of The Exec Engr Div-I C& W deptt.Peshawer)

Client Reference: 469/Stdn/C&W **SOM Lab Ref:** 1049 (Page-2/4)
Dated: 04-10-2022 **Dated:** 07-10-2022

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	2.630	8	0.992	0.79	0.773	19.24	28.13	53700	54880	78550	80270	2.00	8.0	25.0	
2	2.652	8	0.996	0.79	0.779	19.24	28.08	53700	54460	78400	79510	2.00	8.0	25.0	
3	1.349	6	0.710	0.44	0.396	11.06	16.67	55440	61600	83540	92820	1.70	8.0	21.3	
4	1.488	6	0.746	0.44	0.437	11.06	16.67	55440	55820	83540	84120	1.70	8.0	21.3	
5	0.670	4	0.501	0.20	0.197	5.11	7.46	56320	57180	82290	83540	1.70	8.0	21.3	
6	0.680	4	0.505	0.20	0.200	5.07	7.36	55870	55870	81160	81160	1.60	8.0	20.0	
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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

Engr.Dr.Waqas Arshad Tanoli **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Co-Opted Member Bldg Sub Committee,Office Of The Exec Engr Div-I C& W deptt.Peshawer)

Client Reference: 469/Stdn/C&W **SOM Lab Ref:** 1049 (Page-3/4)
Dated: 04-10-2022 **Dated:** 07-10-2022

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	2.635	8	0.993	0.79	0.774	25.89	35.04	72290	73780	97810	99830	1.50	8.0	18.8	
2	2.639	8	0.994	0.79	0.776	25.69	34.96	71720	73010	97610	99370	1.40	8.0	17.5	
3	1.516	6	0.754	0.44	0.446	14.90	21.12	74700	73700	105870	104450	1.40	8.0	17.5	
4	1.505	6	0.750	0.44	0.442	14.88	20.92	74600	74260	104850	104370	1.30	8.0	16.3	
5	0.661	4	0.497	0.20	0.194	6.37	9.12	70260	72430	100610	103720	1.30	8.0	16.3	
6	0.664	4	0.498	0.20	0.195	6.39	9.07	70480	72290	100050	102610	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

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

Co-Opted Member Bldg Sub Committee,Office Of The Exec Engr Div-I C& W deptt.Peshawer)

Client Reference: 469/Stdn/C&W
Dated: 04-10-2022

SOM Lab Ref: 1049 (Page-3/4)
Dated: 07-10-2022

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

Test Specification: ASTM-A 615
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	2.635	8	0.993	0.79	0.774	25.89	35.04	72290	73780	97810	99830	1.50	8.0	18.8	
2	2.639	8	0.994	0.79	0.776	25.69	34.96	71720	73010	97610	99370	1.40	8.0	17.5	
3	1.516	6	0.754	0.44	0.446	14.90	21.12	74700	73700	105870	104450	1.40	8.0	17.5	
4	1.505	6	0.750	0.44	0.442	14.88	20.92	74600	74260	104850	104370	1.30	8.0	16.3	
5	0.661	4	0.497	0.20	0.194	6.37	9.12	70260	72430	100610	103720	1.30	8.0	16.3	
6	0.664	4	0.498	0.20	0.195	6.39	9.07	70480	72290	100050	102610	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

Engr.Dr.Waqas Arshad Tanoli **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Co-Opted Member Bldg Sub Committee,Office Of The Exec Engr Div-I C& W deptt.Peshawer)

Client Reference: 469/Stdn/C&W **SOM Lab Ref:** 1049 (Page-4/4)
Dated: 04-10-2022 **Dated:** 07-10-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A 706
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	2.611	8	0.988	0.79	0.767	24.26	33.38	67730	69760	93200	96000	1.60	8.0	20.0	
2	2.567	8	0.980	0.79	0.754	24.21	33.59	67590	70820	93770	98250	1.40	8.0	17.5	
3	1.517	6	0.754	0.44	0.446	13.91	18.81	69750	68810	94270	93000	1.30	8.0	16.3	
4	1.516	6	0.754	0.44	0.446	13.71	18.91	68730	67800	94780	93510	1.20	8.0	15.0	
5	0.664	4	0.498	0.20	0.195	6.54	9.02	72170	74020	99480	102030	1.20	8.0	15.0	
6	0.668	4	0.500	0.20	0.196	6.32	8.87	69700	71120	97800	99790	1.00	8.0	12.5	
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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

Syed Mohsin Ali RE **Test Performed By:** **Dr. /Engr.** S Asad Ali Gillani

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

Client Reference: QA/QC/Steel/2841 **SOM Lab Ref:** 1050 (Page-1/1)

Dated: 04-10-2022 **Dated:** 07-10-2022

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	1.470	6	0.742	0.44	0.432	13.48	17.40	67550	68800	87220	88840	1.40	8.0	17.5	
2	1.507	6	0.751	0.44	0.443	14.50	18.45	72660	72170	92480	91860	1.40	8.0	17.5	
3	0.555	4	0.456	0.20	0.163	6.78	10.04	74750	91720	110720	135860	1.10	8.0	13.8	
4	0.670	4	0.501	0.20	0.197	5.68	8.38	62610	63570	92400	93810	1.30	8.0	16.3	
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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

Sub Divisional officer,
BSD No.16,Lhr.(Const Of Police Station Hanjarwal Distt Lahore)

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

Client Reference: 185/16th
Dated: 04-05-2022

SOM Lab Ref: 1052 (Page-1/1)
Dated: 07-10-2022

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

Test Specification: ASTM-A-615
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	2.778	8	1.019	0.79	0.816	27.93	38.12	77980	75490	106430	103040	1.20	8.0	15.0	
2	2.667	8	0.999	0.79	0.784	27.42	34.17	76550	77140	95390	96120	1.20	8.0	15.0	
3	1.295	6	0.696	0.44	0.381	13.66	18.37	68470	79070	92070	106330	1.00	8.0	12.5	
4	1.342	6	0.708	0.44	0.394	14.65	19.16	73430	82000	96060	107270	1.10	8.0	13.8	
5	0.727	4	0.522	0.20	0.214	7.51	9.99	82850	77430	110160	102950	1.50	8.0	18.8	
6	0.680	4	0.505	0.20	0.200	6.60	8.61	72730	72730	94990	94990	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

Premier Developer & Builders **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Procurement Manager .(Lyallpur Galleria-II Near Four Season Colony Samundri Road,FSD)

Client Reference: LG-II/027 **SOM Lab Ref:** 1053 (Page-1/1)
Dated: 06-10-2022 **Dated:** 07-10-2022

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	2.614	8	0.989	0.79	0.768	23.31	31.72	65090	66950	88560	91100	1.80	8.0	22.5	
2	1.509	6	0.751	0.44	0.443	14.58	19.88	73070	72570	99640	98960	1.30	8.0	16.3	
3	0.598	4	0.473	0.20	0.176	5.52	7.44	60930	69240	82060	93250	1.20	8.0	15.0	
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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 Six Samples Received and Tested

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

Hafiz Muhammad Javeed
Manager Civil Sunshine.

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

Client Reference: SPS/BML/007/2022
Dated: 07-10-2022

SOM Lab Ref: 1054 (Page-1/1)
Dated: 07-10-2022

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

Test Specification: ASTM-A-615
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	1.463	6	0.740	0.44	0.430	14.02	19.83	70260	71890	99380	101690	1.30	8.0	16.3	
2	1.467	6	0.741	0.44	0.431	14.53	20.03	72810	74330	100400	102500	1.30	8.0	16.3	
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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

Test Performed by: .S. Asad Ali Gillani

Riaz Ahmad
GM Nation Technocommercial Services Pvt.Ltd.
Lahore.

Client Reference No.: NTS/DC-Hardness/DC/22 Dated: 07-10-2022

SOM Lab Ref: CED/SOM/1048 (Page 1/2) Dated: 07-10-2022

Sample Type: Carbon Steel, MS, Stainless Steel

Test Type: Hardness Test

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine
(Minor Load: 10 Kgf Major Load: 90.0 kgf Scale: C)

Hardness Test Results

Sample No.	Sample Type	Hardness
1	Carbon Steel Dia 25mm	HR – 41.50– C
2	Stainless steel Dia 18mm	HR – 36.83– C

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

Test Performed by: .S. Asad Ali Gillani

Riaz Ahmad
GM Nation Technocommercial Services Pvt.Ltd.
Lahore.

Client Reference No.: NTS/DC-Hardness/DC/22 Dated: 07-10-2022

SOM Lab Ref: CED/SOM/1048 (Page 2/2) Dated: 07-10-2022

Sample Type: Carbon Steel, MS, Stainless Steel

Test Type: Hardness Test

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine
(Minor Load: 10 Kgf Major Load: 90.0 kgf Scale: B)

Hardness Test Results

Sample No.	Sample Type	Hardness
1	Mild Steel Thickness 16mm	HR – 62.16– B
2	Mild Steel Dia 3.5mm	HR –93.10– B
3	Mild Steel Dia 1.6mm	HR – 71.16– B

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