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

PM Sytara Dev.Faisalabad.(Const Of Flyover at Sitara Green City)

Client Reference: SGC/UIA/24 **Dated:** 04-04-2023

SOM Lab Ref: CED/SOM/2041(Page-1/1) **Dated:** 05-04-2023

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

Sample Type: M S Deformed Bar (Faizan 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	3.906	25	25.18	491	498	260.60	348.20	531	524	709	700	27.5	200	13.8	
2	3.933	25	25.26	491	501	260.70	348.00	531	521	709	695	27.5	200	13.8	
3	2.491	20	20.10	314	317	161.00	214.00	512	508	681	675	32.5	200	16.3	
4	2.501	20	20.14	314	319	162.00	215.20	516	509	685	676	35.0	200	17.5	
5	1.600	16	16.11	201	204	103.70	136.70	516	509	680	671	25.0	200	12.5	
6	1.592	16	16.07	201	203	104.70	138.20	521	517	687	682	27.5	200	13.8	
7	1.000	12	12.74	113	127	65.20	77.50	576	512	685	609	32.5	200	16.3	
8	0.996	12	12.71	113	127	64.50	78.20	570	509	691	617	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
20mm	Sample bend through 180 degrees Satisfactorily without any crack
16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector G)

Test Performed By: **Dr. /Engr.** Waseem Abbass

Client Reference: 111/15/AD/RS/Pkg-2B/1538
Dated: 03-04-2023

SOM Lab Ref: 2037 (Page-1/1)
Dated: 05-04-2023

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Siraj 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	0.672	4	0.501	0.20	0.197	6.27	9.17	69130	70190	101170	102710	1.30	8.0	16.3	
2	0.671	4	0.501	0.20	0.197	6.34	9.30	69920	70990	102520	104080	1.40	8.0	17.5	
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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

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

PM M/S Rizwan Associates.(Const Of Regional Nuclear Safety Inspectorate-Office Building at Lhr)

Client Reference: Nil **SOM Lab Ref:** 2038 (Page-1/1)

Dated: 04-04-2023 **Dated:** 05-04-2023

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	2.642	8	0.994	0.79	0.776	25.33	33.97	70720	72000	94820	96530	1.60	8.0	20.0	
2	2.637	8	0.993	0.79	0.775	25.18	33.81	70290	71650	94400	96220	1.40	8.0	17.5	
3	1.487	6	0.746	0.44	0.437	12.90	17.66	64640	65080	88500	89110	1.30	8.0	16.3	
4	1.482	6	0.745	0.44	0.436	12.84	17.64	64380	64970	88400	89210	1.50	8.0	18.8	
5	0.672	4	0.501	0.20	0.197	6.03	8.31	66550	67560	91610	93010	1.30	8.0	16.3	
6	0.670	4	0.501	0.20	0.197	6.03	8.36	66550	67560	92180	93580	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

Saquib Akram,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Nespak Shalimar Sports Complex,Lahore.(Estb Of Sports Complex at Shalimar Lahore)

Client Reference: 3772/103/NA-130/RE/05/11 **SOM Lab Ref:** 2039 (Page-1/1)

Dated: 29-03-2023 **Dated:** 05-04-2023

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (AF 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	1.491	6	0.747	0.44	0.438	14.22	18.32	71280	71610	91820	92240	1.00	8.0	12.5	
2	1.496	6	0.748	0.44	0.440	13.97	18.55	70000	70000	92990	92990	1.20	8.0	15.0	
3	0.629	4	0.485	0.20	0.185	6.95	8.46	76660	82880	93300	100870	0.90	8.0	11.3	
4	0.630	4	0.485	0.20	0.185	6.70	8.31	73850	79840	91610	99040	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

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

Building Standards Lahore.(Project For Blairian Developers)

Client Reference: GT/LTR/230404-034 **SOM Lab Ref:** 2040 (Page-1/1)

Dated: 04-04-2023 **Dated:** 05-04-2023

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	1.501	6	0.749	0.44	0.441	16.26	19.93	81500	81310	99890	99670	1.50	8.0	18.8	
2	1.485	6	0.745	0.44	0.436	15.97	19.44	80070	80800	97440	98330	1.50	8.0	18.8	
3	0.646	4	0.492	0.20	0.190	7.21	8.77	79470	83660	96670	101760	1.00	8.0	12.5	
4	0.699	4	0.511	0.20	0.205	7.67	9.19	84530	82470	101390	98920	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

Sub Divisional Officer, **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Punjab Employees Social Security Institution Lahore.(Const Of Social Security Hospital Sargodha)

Client Reference: SS.DC(207)23/1002 **SOM Lab Ref:** 2042 (Page-1/1)

Dated: 04-04-2023 **Dated:** 05-04-2023

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	1.461	6	0.739	0.44	0.429	16.16	21.15	80990	83060	106020	108740	1.20	8.0	15.0	
2	0.645	4	0.492	0.20	0.190	6.85	8.74	75540	79520	96340	101410	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 Four Samples Received and Tested

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

Metroplan Asian Jv, **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Lahore.(Hazrat Hameed-Ud-Din Haahim Surgical Complex.SZMC/Hospital,R.Y.Khan)

Client Reference: RE/HHH-SC/AsCE/UET/016 **SOM Lab Ref:** 2043 (Page-1/1)
Dated: 05-04-2023 **Dated:** 05-04-2023

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615
Gauge Length: 8 inch **Sample Type:** Deformed Bar (AF 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	2.675	8	1.000	0.79	0.786	26.20	35.09	73140	73510	97950	98450	1.50	8.0	18.8	
2	2.666	8	0.998	0.79	0.783	26.30	35.12	73420	74080	98040	98920	1.50	8.0	18.8	
3	1.491	6	0.747	0.44	0.438	13.73	19.67	68830	69140	98610	99060	1.20	8.0	15.0	
4	1.503	6	0.750	0.44	0.442	15.01	19.88	75210	74870	99640	99190	1.30	8.0	16.3	
5	0.645	4	0.492	0.20	0.190	6.65	8.51	73290	77150	93860	98800	1.00	8.0	12.5	
6	0.664	4	0.498	0.20	0.195	6.24	9.14	68800	70560	100830	103420	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