Waseem Abbas
25-B Gulberg-V Lahore.

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

Client Reference: Nil
Dated: 23-02-2023

SOM Lab Ref: 1806 (Page-1/1)
Dated: 23-02-2023

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (AFCO 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	0.669	4	0.501	0.20	0.197	6.83	8.31	75320	76460	91610	93010	1.00	8.0	12.5	
2	0.670	4	0.501	0.20	0.197	6.01	7.95	66320	67330	87680	89020	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

Imtiaz Hussain,RE **Test Performed By:** **Dr. /Engr.** Nauman Khurram

New Vision Engg Consultants.(Pilot Program For HUB And Spoke Model at Zahir Pir,R.Y Khan)

Client Reference: RE/NVEC/PP HUB & S.Model/2022-23/019 **SOM Lab Ref:** 1807 (Page-1/1)

Dated: 21-02-2023 **Dated:** 23-02-2023

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	1.496	6	0.748	0.44	0.440	15.14	19.83	75880	75880	99380	99380	1.40	8.0	17.5	FF
2	0.672	4	0.501	0.20	0.197	6.22	9.19	68570	69620	101390	102940	1.20	8.0	15.0	FMS
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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

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

Sutoon Developers Lahore.(C-30/31 Lake City Lahore)

Client Reference: IBS/C-30/31/ Lake City/ST09 **SOM Lab Ref:** 1808 (Page-2/2)

Dated: 18-02-2023 **Dated:** 23-02-2023

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	1.621	6	0.778	0.44	0.476	15.65	21.58	78430	72500	108170	99990	1.50	8.0	18.8	
2	0.673	4	0.502	0.20	0.198	6.22	8.48	68570	69260	93530	94470	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 Four Samples Received and Tested

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

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

Sutoon Developers Lahore.(C-30/31 Lake City Lahore)

Client Reference: IBS/C-30/31/ Lake City/ST09 **SOM Lab Ref:** 1808 (Page-1/2)

Dated: 18-02-2023 **Dated:** 23-02-2023

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615 Deformed Bar (Kohinoor Steel)

Gauge Length: 8 inch **Sample Type:**

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	2.554	8	0.978	0.79	0.751	24.57	33.28	68590	72150	92920	97740	1.50	8.0	18.8	
2	1.389	6	0.721	0.44	0.408	12.92	16.62	64740	69820	83290	89820	1.40	8.0	17.5	
3	0.671	4	0.501	0.20	0.197	5.20	7.31	57330	58200	80600	81830	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 Six Samples Received and Tested

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

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

Nespak Lahore.(Updradation/Rehb Of Infrastructure In Industrial Zone Ph-01,Part-A)

Client Reference: SA468/13/MAA/09/10 **SOM Lab Ref:** 1809 (Page-1/1)

Dated: 22-02-2023 **Dated:** 23-02-2023

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	0.672	4	0.501	0.20	0.197	7.29	9.02	80370	81600	99480	101000	1.10	8.0	13.8	H# SJ-74
2	0.670	4	0.501	0.20	0.197	7.24	9.07	79810	81030	100050	101570	1.00	8.0	12.5	H# SJ-74
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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

MS Paidar Builders (Pvt) Ltd. **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Lahore.(Const Of TCF Unit Primary School MS.Hassena Raia Campus Pattoki,Lhr-II)

Client Reference: PBL/UET/2023-472 **SOM Lab Ref:** 1810 (Page-1/1)

Dated: 16-01-2023 **Dated:** 23-02-2023

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	1.420	6	0.729	0.44	0.417	13.93	19.98	69850	73700	100150	105670	1.00	8.0	12.5	
2	0.676	4	0.503	0.20	0.199	6.32	9.53	69700	70050	105100	105630	1.00	8.0	12.5	
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BEND TEST:

--	No Bend test performed

Note:-

Only Two Samples Received and Tested

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

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

MAG Engineering Lahore.(Project: 5K Commercial Plaza DHA Ph-1,Lahore)

SOM Lab

Client Reference: Nil **Ref:** 1813 (Page-1/1)

Dated: 23-02-2023 **Dated:** 23-02-2023

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	1.505	6	0.750	0.44	0.442	15.70	19.83	78690	78330	99380	98930	1.20	8.0	15.0	
2	1.500	6	0.749	0.44	0.441	15.62	20.05	78280	78100	100500	100280	1.10	8.0	13.8	
3	0.672	4	0.501	0.20	0.197	6.34	8.66	69920	70990	95550	97000	1.40	8.0	17.5	
4	0.672	4	0.501	0.20	0.197	6.24	8.53	68800	69840	94090	95520	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

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

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

Client Reference: 111/15/AD/RS/Pkg-2B/1412
Dated: 23-02-2023

SOM Lab Ref: 1814 (Page-1/1)
Dated: 23-02-2023

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

Test Specification: ASTM-A-615
Sample Type: Plain Steel Rungs

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	2.707	8	1.007	0.79	0.796	15.97	23.57	44600	44260	65800	65300	2.40	8.0	30.0	
2	2.683	8	1.002	0.79	0.788	16.02	23.72	44740	44850	66220	66390	2.40	8.0	30.0	
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BEND TEST:

--	No Bend test performed

Note:-

Only Two Samples Received and Tested

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

Test Performed by: Dr. Nauman Khurram

Muhammad Zubair
Team Leader-JIPIC,
Jalalpur Irrigation Project. (JIP)
(Const. Of Jalalpur Irrigation Canal and Its System Package No. JIP/WKS/ICB-P1)

Client Reference No.: JIPIC/2.4/4735 Dated: 21-02-2023
SOM Lab Ref: CED/SOM/1805 Dated: 23-02-2023
Test: Tensile Test
Sample Type: Anchor Bolt- M24 (Threaded)
Test Specification: ASTM-F–1554 **Gauge Length**: 200 mm

S.No.	Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Remarks
	Original Diameter	Calculated Diameter									
	Mm	mm	mm^2	kN	kN	MPa	MPa	mm	mm	%	
1	24	21.50	363	135.7	188.2	374	519	18.0	200	9.0	
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Note:-

Only One Sample Received and Tested

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