Engr. Zaheer Ud Din Babar

Test Performed By: **Dr. /Engr.** Irfan Ul Hasan

Dy.General Manager Projects,HRL.(Const Of Sky Gardens Tower, Lahore)

Client Reference: HRLE/SKG/2022/038 **Dated:** 01-07-2022

SOM Lab Ref: CED/SOM/593(Page-1/1) **Dated:** 01-07-2022

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

Sample Type: M S Deformed Bar (AFCO 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	3.893	25	25.13	491	496	199.50	293.00	406	403	597	591	37.5	200	18.8	
2	3.847	25	24.98	491	490	202.00	315.70	412	413	643	645	35.0	200	17.5	
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BEND TEST:

25mm	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

Syed Mubashar Hassan

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

RE NESPAK.(Dualization Of Rd From Salam To Sargodha Via Bhalwal Ajnala Rd L 47.00Km)

Client Reference: 4376/SMH/22/2073

Dated: 08-06-2022

SOM Lab Ref: 591 (Page-1/1)

Dated: 01-07-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615 Deformed

Gauge Length: 8 inch

Sample Type: 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	2.527	8	0.973	0.79	0.743	27.85	32.82	77750	82670	91640	97430	1.40	8.0	17.5	
2	2.595	8	0.986	0.79	0.763	27.65	32.64	77180	79910	91120	94350	1.40	8.0	17.5	
3	1.462	6	0.740	0.44	0.430	12.90	18.11	64640	66140	90800	92910	1.20	8.0	15.0	
4	1.484	6	0.745	0.44	0.436	11.37	16.41	56970	57500	82260	83020	1.60	8.0	20.0	
5	0.634	4	0.487	0.20	0.186	5.52	7.90	60930	65510	87120	93680	1.10	8.0	13.8	
6	0.635	4	0.488	0.20	0.187	6.95	8.74	76660	81990	96340	103030	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

Inam Khan **Test Performed By:** **Dr. /Engr.** Irfan Ul Hasan

Senior Project Manager Tehzibul Akhlaq trust.(New Aligarh University,Manga,Lahore)

Client Reference: Nil **SOM Lab Ref:** 595 (Page-1/1)

Dated: 30-06-2022 **Dated:** 01-07-2022

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

Gauge Length: 8 inch **Sample Type:** 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	2.643	8	0.995	0.79	0.777	26.61	33.40	74280	75520	93260	94820	1.50	8.0	18.8	
2	2.640	8	0.994	0.79	0.776	26.86	33.49	74990	76340	93490	95170	1.30	8.0	16.3	
3	1.457	6	0.738	0.44	0.428	13.56	18.91	67960	69860	94780	97440	1.20	8.0	15.0	
4	1.487	6	0.746	0.44	0.437	14.58	20.80	73070	73570	104230	104950	1.20	8.0	15.0	
5	0.657	4	0.496	0.20	0.193	5.93	8.36	65420	67800	92180	95520	1.30	8.0	16.3	
6	0.664	4	0.498	0.20	0.195	5.78	8.26	63740	65370	91050	93390	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 Nine Samples Received and Tested

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

Ms Iffat Hassan
Administrator Maktab Established

Test Performed By: **Dr. /Engr.** Irfan Ul Hasan

Client Reference: Nil
Dated: 30-06-2022

SOM Lab Ref: 594 (Page-1/1)
Dated: 01-07-2022

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	1.455	6	0.738	0.44	0.428	15.26	18.78	76490	78640	94120	96760	1.10	8.0	13.8	
2	0.657	4	0.496	0.20	0.193	6.60	8.23	72730	75370	90720	94010	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 Four Samples Received and Tested

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

M.Imran Architecture
Lahore

Test Performed By: **Dr. /Engr.** Rehan Ashraf

Client Reference: Nil
Dated: 30-06-2022

SOM Lab Ref: 592 (Page-1/1)
Dated: 01-07-2022

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	1.458	6	0.738	0.44	0.428	12.23	18.83	61320	63040	94370	97020	1.30	8.0	16.3	
2	0.659	4	0.497	0.20	0.194	6.70	8.28	73850	76140	91280	94100	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 Four Samples Received and Tested

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

Zohaib Ashfaq (PM) **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Autograph,Lhr.(Const.Of Autograph Apartments project At Maple Drive Along Ringroad Serviceline)

Client Reference: AG/PM/ZA/01 **SOM Lab Ref:** 596 (Page-1/1)

Dated: 01-07-2022 **Dated:** 01-07-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Kamran 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	2.661	8	0.998	0.79	0.782	25.05	33.61	69920	70640	93830	94790	1.30	8.0	16.3	
2	2.627	8	0.991	0.79	0.772	25.38	33.84	70860	72510	94480	96680	1.30	8.0	16.3	
3	1.040	5	0.624	0.31	0.306	8.92	12.44	63460	64290	88480	89630	1.30	8.0	16.3	
4	1.037	5	0.623	0.31	0.305	8.99	12.64	63970	65020	89930	91400	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 5	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.Syed Muhammad Junaid **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Exec Engr. Uni Of Home Echnomics.(Const of Acadmic Block At Uni Of Home Echnomics Lahore)

SOM Lab Ref: 597 (Page-1/1)

Client Reference: UHE/EE/449

Dated: 21-06-2022

Dated: 01-07-2022

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	2.700	8	1.005	0.79	0.793	24.38	35.22	68070	67820	98320	97950	1.30	8.0	16.3	
2	2.698	8	1.005	0.79	0.793	24.13	34.78	67360	67110	97100	96730	1.40	8.0	17.5	
3	1.416	6	0.728	0.44	0.416	19.13	21.68	95910	101440	108680	114950	1.00	8.0	12.5	
4	1.413	6	0.727	0.44	0.415	17.40	19.59	87220	92470	98210	104120	1.00	8.0	12.5	
5	0.528	4	0.444	0.20	0.155	4.94	7.87	54520	70350	86780	111970	1.00	8.0	12.5	
6	0.536	4	0.449	0.20	0.158	4.81	7.77	53060	67160	85660	108430	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