

Engr. Zaheer Ud Din Babar

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

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

Client Reference: HRLE/SKG/2022/027

Dated: 26-05-2022

SOM Lab Ref: CED/SOM/379(Page-1/1)

Dated: 26-05-2022

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	1.558	16	15.88	201	198	101.10	133.20	503	511	662	673	30.0	200	15.0	
2	1.553	16	15.87	201	198	92.50	127.00	460	468	632	642	30.0	200	15.0	
3	1.546	16	15.83	201	197	137.20	156.50	682	697	778	795	27.5	200	13.8	
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BEND TEST:

16mm	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

Engr. Zaheer Ud Din Babar

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

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

Client Reference: HRLE/SKG/2022/026

Dated: 26-05-2022

SOM Lab Ref: CED/SOM/380(Page-1/1)

Dated: 26-05-2022

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	3.871	25	25.05	491	493	241.70	332.70	492	491	678	675	40.0	200	20.0	
2	4.000	25	25.47	491	510	204.70	307.00	417	402	625	603	37.5	200	18.8	
3	4.008	25	25.50	491	511	217.70	315.50	443	427	643	618	37.5	200	18.8	
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BEND TEST:

25mm	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

Sub Divisional officer,

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

BSD No.14 Lhr.(Const Of Works In Plat Available In Front Of Punjab Land Records Authority Lahore)

Client Reference: 428

SOM Lab

Ref: 377 (Page-1/1)

Dated: 12-04-2022

Dated: 26-05-2022

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	1.199	6	0.669	0.44	0.352	9.17	14.80	45990	57480	74190	92740	1.10	8.0	13.8	
2	1.211	6	0.673	0.44	0.356	9.23	15.11	46240	57150	75720	93590	0.80	8.0	10.0	
3	0.627	4	0.484	0.20	0.184	5.56	7.29	61270	66590	80370	87360	0.90	8.0	11.3	
4	0.630	4	0.485	0.20	0.185	5.52	6.65	60930	65870	73290	79230	0.80	8.0	10.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

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

Yasir Ahmad
GM-Works FF Steel Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 378 (Page-1/1)

Dated: 21-05-2022

Dated: 26-05-2022

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	1.031	5	0.621	0.31	0.303	9.81	13.30	69770	71380	94640	96830	1.50	8.0	18.8	
2	1.027	5	0.620	0.31	0.302	9.91	13.22	70490	72360	94060	96550	1.60	8.0	20.0	
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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

Babar Ali
 Const. Manager C 31-18 Lake City Commercial Lahore.

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

Client Reference: Lake City/01
 Dated: 26-05-2022
 Test: Tension Test & Bend Test
 Gauge Length: 8 inch

SOM Lab
 Ref: 381 (Page-1/1)
 Dated: 26-05-2022
 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	2.599	8	0.986	0.79	0.764	27.17	35.04	75840	78420	97810	101140	1.20	8.0	15.0	
2	2.596	8	0.986	0.79	0.763	26.81	34.76	74850	77490	97040	100480	1.30	8.0	16.3	
3	1.485	6	0.745	0.44	0.436	16.21	19.44	81240	81990	97440	98330	1.10	8.0	13.8	
4	1.484	6	0.745	0.44	0.436	15.49	19.27	77670	78380	96570	97460	1.10	8.0	13.8	
5	0.663	4	0.498	0.20	0.195	5.91	9.04	65200	66870	99710	102260	1.20	8.0	15.0	
6	0.664	4	0.498	0.20	0.195	5.98	8.99	65990	67680	99150	101690	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

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