

Asif pervaiz Butt
PM, Pacecircle,

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

Client Reference: nil
SOM Lab Ref: CED/SOM/3835 (Page-1/1)
Test: Tension Test Bend Test
Sample Type: Deformed Bar(Amreli Steel)

Dated: 10-02-2021
Dated: 11-02-2021
Test Specification: ASTM-F-1554
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	0.885	12	12.00	113	113	62.70	74.20	554	555	656	657	35.0	200	17.5	
2	0.882	12	11.96	113	112	62.20	74.00	550	554	654	659	32.5	200	16.3	v
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BEND TEST:

12mm	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

Asif pervaiz Butt
PM, Pacecircle,

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

Client Reference: Nil

SOM Lab 3835(Page-

Ref: 1/1)

Dated: 10-02-2021

Dated: 11-02-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar(Amerli 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	0.664	4	0.498	0.20	0.195	6.80	8.61	74980	76900	94990	97420	1.10	8.0	13.8	
2	0.662	4	0.498	0.20	0.195	7.41	8.97	81720	83820	98920	101460	1.20	8.0	15.0	
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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

Syed Yasir Ali

Resident Engineer, NESPAK, (Pvt) Ltd.(U.E.T. Lahore Sub Campus at Narowal)

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 3863/13/SYA/Labtesting/262

Dated: 30-02-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

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11-02-2021

ASTM-A-615

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	0.672	4	0.501	0.20	0.197	6.03	9.07	66550	67560	100050	101570	1.20	8.0	15.0	
2	0.664	4	0.498	0.20	0.195	5.98	9.06	65990	67680	99930	102490	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

Project Manager
Nazir & Sons Trust Building Construction Project, Lahore

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

Client Reference: NST/MT/SR/UET/007

SOM Lab 3837(Page-

Ref: 1/1)

Dated: 11-02-2021

Dated: 11-02-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed(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	1.511	6	0.752	0.44	0.444	16.06	20.00	80480	79750	100250	99350	1.30	8.0	16.3	
2	1.486	6	0.746	0.44	0.437	15.90	19.75	79710	80260	98970	99650	1.20	8.0	15.0	
3	1.514	6	0.753	0.44	0.445	16.02	19.95	80320	79420	99990	98870	1.30	8.0	16.3	
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BEND TEST:

# 6	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

Sajid Khawaja
Resident Engineer, EA Consulting (Pvt) Ltd.

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

Client Reference: EA/FGEHA/LHE/099

SOM Lab 3838(Page-

Ref: 1/1)

Dated: 09-02-2021

Dated: 11-02-2021

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	0.673	4	0.502	0.20	0.198	6.31	9.25	69580	70290	101960	102990	1.30	8.0	16.3	
2	0.697	4	0.511	0.20	0.205	6.42	9.65	70820	69090	106450	103860	1.30	8.0	16.3	
3	0.693	4	0.510	0.20	0.204	6.34	9.65	69920	68550	106450	104360	1.30	8.0	16.3	
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BEND TEST:

# 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

Engr. Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

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

Client Reference: Nil

SOM Lab 3839(Page-

Ref: 1/1)

Dated: 11-02-2021

Dated: 11-02-2021

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	2.650	8	0.996	0.79	0.779	24.54	33.91	68500	69470	94680	96020	1.60	8.0	20.0	
2	2.594	8	0.985	0.79	0.762	23.47	34.30	65510	67920	95760	99280	1.60	8.0	20.0	
3	1.472	6	0.743	0.44	0.433	14.39	18.71	72150	73310	93760	95280	1.00	8.0	12.5	
4	1.475	6	0.743	0.44	0.433	13.46	18.32	67450	68540	91820	93300	1.20	8.0	15.0	
5	0.661	4	0.497	0.20	0.194	7.00	9.43	77230	79620	103980	107190	1.00	8.0	12.5	
6	0.660	4	0.497	0.20	0.194	6.19	8.72	68230	70340	96110	99080	1.00	8.0	12.5	
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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

Syed Mohsin Ali
QA/QC, Department, Bahria Town, (Pvt) Ltd Lahore

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

Client Reference: QA/QC-Steel-2243

SOM Lab 3840(Page-

Ref: 1/1)

Dated: 10-02-2021

Dated: 11-02-2021

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	0.664	4	0.498	0.20	0.195	6.80	8.61	74980	76900	94990	97420	1.10	8.0	13.8	
2	0.662	4	0.498	0.20	0.195	7.41	8.97	81720	83820	98920	101460	1.20	8.0	15.0	
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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