

Aamir Shahzad Alvi,PM

Test Performed By:

Dr. /Engr.

Nauman Khurram

Usman Ibrahim Construction,Lahore.(Const Of HIGH-Q Mall at 3-A Gulberg II,Lahore)

Client Reference: QC/HQ/CIVIL/22

Dated: 27-09-2022

SOM Lab Ref: CED/SOM/988(Page-1/1)

Dated: 27-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: MS Deformed Bar

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	0.888	12	12.00	113	113	49.50	73.70	438	439	652	653	32.5	200	16.3	
2	0.878	12	11.94	113	112	48.50	74.20	429	434	656	664	30.0	200	15.0	
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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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Nauman Khurram

Highway Sub Div Mianwali.(Const Of Dhornaka To Dhake Garori UC Namal L 1.75Km Mwi)

Client Reference: 920/SDO/Mwi

SOM Lab

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Ref:

1/1)

Dated: 23-08-2022

Dated:

27-09-2022

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	2.673	8	1.000	0.79	0.786	23.52	33.38	65650	65990	93200	93680	1.40	8.0	17.5	
2	2.678	8	1.001	0.79	0.787	21.58	31.60	60250	60480	88220	88560	1.30	8.0	16.3	
3	1.505	6	0.750	0.44	0.442	15.34	21.46	76900	76550	107560	107070	1.30	8.0	16.3	
4	1.501	6	0.749	0.44	0.441	16.06	19.90	80480	80290	99740	99510	1.20	8.0	15.0	
5	0.670	4	0.501	0.20	0.197	6.65	8.46	73290	74410	93300	94720	0.80	8.0	10.0	
6	0.669	4	0.501	0.20	0.197	5.78	8.41	63740	64710	92740	94150	1.30	8.0	16.3	
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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

Malik Steel
Malik Steel Sales Depot Lahore.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab 987 (Page-

Ref: 1/2)

Dated: 27-09-2022

Dated: 27-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Model 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	6.93	8.94	76440	78400	98580	101110	1.00	8.0	12.5	
2	0.672	4	0.501	0.20	0.197	7.03	8.99	77560	78750	99150	100660	0.90	8.0	11.3	
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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

Malik Steel
Malik Steel Sales Depot Lahore.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab 987 (Page-

Ref: 2/2)

Dated: 27-09-2022

Dated: 27-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Model 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	1.498	6	0.748	0.44	0.440	13.27	17.74	66530	66530	88910	88910	1.30	8.0	16.3	
2	1.471	6	0.742	0.44	0.432	13.05	17.55	65400	66620	87990	89620	1.30	8.0	16.3	
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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

Abdul Rehman
 Director Pacific Builders (Pvt) Ltd.(Union Tower Sialkot)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab 989 (Page-

Ref: 1/1)

Dated: 27-09-2022

Dated: 27-09-2022

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	2.632	8	0.992	0.79	0.773	18.42	29.33	51430	52560	81880	83680	1.40	8.0	17.5	
2	1.474	6	0.743	0.44	0.433	13.25	21.02	66430	67500	105360	107060	1.10	8.0	13.8	
3	0.596	4	0.472	0.20	0.175	6.12	8.07	67450	77080	89030	101750	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Engr.Syed Faheem Hussain

Test Performed By:

Dr. /Engr. Nauman Khurram

RE AZ Engg Associates M&C Hospital D.G khan.(Estb. Of Mother & Child Block,Teaching Hospital,DG Khan)

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Client Reference: RE/AZEA/DGK/135

SOM Lab Ref: 1/1)

Dated: 15-09-2022

Dated: 27-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Moiz 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	2.657	8	0.997	0.79	0.781	26.47	31.50	73910	74760	87940	88950	1.30	8.0	16.3	
2	2.644	8	0.995	0.79	0.777	26.35	31.57	73570	74800	88140	89610	1.50	8.0	18.8	
3	1.513	6	0.753	0.44	0.445	14.48	19.32	72560	71740	96830	95740	1.10	8.0	13.8	
4	1.514	6	0.753	0.44	0.445	14.58	19.13	73070	72250	95910	94830	1.20	8.0	15.0	
5	0.660	4	0.497	0.20	0.194	5.45	8.41	60140	62000	92740	95610	1.50	8.0	18.8	
6	0.662	4	0.498	0.20	0.195	5.73	9.14	63180	64800	100830	103420	1.10	8.0	13.8	
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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