

Amir Hussain

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Director (Civil) Mineral Development Project P.O.BOX No 1948 Islamabad)

Client Reference: MDP-C &S-GEN(1)/2024/

SOM Lab

Ref:

3531 (Page-1/1)

Dated: 15-01-2024

Dated:

19-01-2024

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	2.581	8	0.982	0.79	0.758	25.43	35.58	71000	74000	99320	103510	1.50	8.0	18.8	
2	2.589	8	0.984	0.79	0.761	25.43	35.68	71000	73710	99600	103400	1.50	8.0	18.8	
3	1.496	6	0.748	0.44	0.440	14.70	20.10	73680	73680	100760	100760	1.30	8.0	16.3	
4	1.035	5	0.622	0.31	0.304	10.14	14.90	72160	73590	106030	108120	1.20	8.0	15.0	
5	0.666	4	0.500	0.20	0.196	6.39	8.87	70480	71920	97800	99790	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	
# 5	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

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Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Director (Civil) Mineral Development Project P.O.BOX No 1948 Islamabad)

Client Reference: MDP-C&S-GEN(1)/2024/

SOM Lab

Ref:

3532 (Page-1/1)

Dated: 15-01-2024

Dated:

19-01-2024

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	2.596	8	0.986	0.79	0.763	25.76	35.80	71920	74460	99950	103480	1.20	8.0	15.0	
2	2.595	8	0.986	0.79	0.763	25.59	35.63	71430	73960	99460	102980	1.30	8.0	16.3	
3	1.496	6	0.748	0.44	0.440	14.80	20.20	74190	74190	101270	101270	1.50	8.0	18.8	
4	0.666	4	0.500	0.20	0.196	6.52	8.97	71940	73410	98920	100940	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Seven 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. Major Zia-Ul-Islam ®

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PD GCC,Overseas Const.Co, Lahore.(Project Gulberg City Cerntre, Lahore)

SOM Lab

Client Reference: OCC/Steel/52

Ref:

3533 (Page-1/1)

Dated: 19-01-2024

Dated:

19-01-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	2.669	8	0.999	0.79	0.784	22.17	33.20	61900	62370	92690	93400	1.50	8.0	18.8	
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BEND TEST:

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

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

Faisal Bhatti

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM Const. Ittefaq Building Solution (Pvt)Ltd.(Mr.Chughtai House Lahore Cantt)

SOM Lab

Client Reference: IBS

Ref:

3534 (Page-1/1)

Dated: 19-01-2024

Dated:

19-01-2024

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	2.612	8	0.989	0.79	0.768	23.09	33.30	64460	66310	92970	95640	1.30	8.0	16.3	
2	2.604	8	0.987	0.79	0.765	23.01	33.20	64230	66330	92690	95720	1.20	8.0	15.0	
3	2.618	8	0.990	0.79	0.769	23.31	33.25	65090	66860	92830	95370	1.50	8.0	18.8	
4	1.480	6	0.744	0.44	0.435	13.58	19.32	68060	68840	96830	97940	1.30	8.0	16.3	
5	1.461	6	0.739	0.44	0.429	13.48	19.11	67550	69280	95800	98260	1.30	8.0	16.3	
6	1.471	6	0.742	0.44	0.432	13.40	19.27	67190	68440	96570	98360	1.50	8.0	18.8	
7	0.664	4	0.498	0.20	0.195	6.49	8.69	71610	73440	95770	98230	1.20	8.0	15.0	
8	0.668	4	0.500	0.20	0.196	6.63	8.82	73070	74560	97230	99220	1.30	8.0	16.3	
9	0.670	4	0.501	0.20	0.197	6.47	8.63	71380	72470	95210	96660	1.10	8.0	13.8	
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BEND TEST:

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