

Sub Divisional Officer
Highway Sub Division, No. I, Gujrat

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

Client Reference: 42/GTI

SOM Lab

Ref: 4109(Page-1/1)

Dated: 22-02-2021

Dated: 25-03-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Plain & 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	1.590	6	0.771	0.44	0.467	12.79	19.18	64130	60420	96160	90600	1.70	8.0	21.3	Plain bar
2	1.587	6	0.770	0.44	0.466	13.22	19.59	66270	62580	98210	92730	1.60	8.0	20.0	Plain bar
3	0.661	4	0.497	0.20	0.194	5.56	7.54	61270	63160	83180	85760	1.50	8.0	18.8	Deformed
4	0.671	4	0.501	0.20	0.197	5.47	7.51	60370	61290	82850	84110	1.60	8.0	20.0	Deformed
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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

Engr Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

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

Client Reference: Nil

SOM Lab

Ref: 4110(Page-1/1)

Dated: 25-03-2021

Dated: 25-03-2021

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	2.584	8	0.983	0.79	0.759	24.46	34.35	68300	71090	95900	99820	1.50	8.0	18.8	
2	2.610	8	0.988	0.79	0.767	22.91	33.40	63950	65860	93260	96050	1.50	8.0	18.8	
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BEND TEST:

# 8	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

Mudessar Iqbal

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Manager QC, Country Developers (Pvt) Ltd. (Project Name: PGC Gujranwala Campus)

Client Reference: CD-20-Testing/FJCE-013

SOM Lab

Ref: 4111(Page-1/2)

Dated: 22-03-2021

Dated: 25-03-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (FF Steel)

ASTM-A-615

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	2.610	8	0.988	0.79	0.767	24.92	34.30	69580	71670	95760	98630	1.40	8.0	17.5	
2	1.509	6	0.751	0.44	0.443	14.75	20.41	73940	73440	102290	101600	1.00	8.0	12.5	
3	0.674	4	0.502	0.20	0.198	6.70	9.43	73850	74600	103980	105030	1.00	8.0	12.5	
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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

Mudessar Iqbal

Test Performed By: Dr. /Engr. Nauman Khurram

Manager QC.,Country Developers (Pvt) Ltd. (Project Name: PGC CAMPUS 227 -230, Muslim Town)

Client Reference: CD-20-Testing/ST/MT-005

SOM Lab

Ref: 4111(Page-2/2)

Dated: 2403-2021

Dated: 25-03-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar(AFCCO 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	2.644	8	0.995	0.79	0.777	22.63	30.70	63180	64240	85720	87150	1.50	8.0	18.8	
2	0.649	4	0.493	0.20	0.191	5.73	7.72	63180	66150	85100	89100	1.10	8.0	13.8	
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BEND TEST:

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

Engr. Bilal Yaqoob Virk.

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Asstt: Executive Engineer-II, CCD. PAK PWD, Gujranwala

Client Reference: AEE-II/CCD/GA/Work/NHMP/P-I/LAB/23

SOM Lab

Ref: 4112(Page-1/1)

Dated: 19-03-2021

Dated: 25-03-2021

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	1.483	6	0.745	0.44	0.436	14.24	19.88	71380	72040	99640	100550	1.20	8.0	15.0	
2	1.498	6	0.748	0.44	0.440	14.27	19.88	71540	71540	99640	99640	1.10	8.0	13.8	
3	1.039	5	0.623	0.31	0.305	10.21	13.78	72670	73860	98050	99660	1.20	8.0	15.0	
4	1.037	5	0.623	0.31	0.305	10.21	13.76	72670	73860	97910	99510	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 5	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

Z. H. Kazmi

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

Principal Architect, Z. H. Kazmi & Associates, Lahore

SOM Lab

Ref:

4113(Page-1/1)

Client Reference: nil

Dated: 25-03-2021

Dated:

25-03-2021

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	1.505	6	0.750	0.44	0.442	14.24	18.37	71380	71060	92070	91660	1.20	8.0	15.0	
2	0.677	4	0.503	0.20	0.199	6.22	9.23	68570	68920	101730	102240	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
# 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. Muddasir Tahir
Construction Manager, Zameen Aurum, Lahore

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

Client Reference: ZD/ZA/STR008

SOM Lab

Ref: 4115(Page-1/1)

Dated: 25-03-2021

Dated: 25-03-2021

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	2.654	8	0.997	0.79	0.780	23.36	33.23	65230	66060	92770	93960	1.40	8.0	17.5	
2	2.655	8	0.997	0.79	0.780	23.34	33.59	65170	66010	93770	94970	1.50	8.0	18.8	
3	0.661	4	0.497	0.20	0.194	5.93	8.46	65420	67450	93300	96190	1.20	8.0	15.0	
4	0.660	4	0.497	0.20	0.194	5.68	8.43	62610	64550	92960	95840	1.50	8.0	18.8	
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BEND TEST:

# 8	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

Sub Divisional Officer
Public Health Engg: Sub Division Khushab

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

Client Reference: 158/KHB

SOM Lab

Ref: 4116(Page-1/1)

Dated: 24-03-2021

Dated: 25-03-2021

Test: Tension 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	0.561	4	0.458	0.20	0.165	4.30	6.65	47440	57500	73290	88840	1.30	8.0	16.3	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Sub Divisional Officer
Public Health Engg: Sub Division Khushab

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

Client Reference: 159/KHB

SOM Lab

Ref: 4117(Page-1/1)

Dated: 24-03-2021

Dated: 25-03-2021

Test: Tension 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	0.562	4	0.458	0.20	0.165	4.30	6.57	47440	57500	72510	87880	1.20	8.0	15.0	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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