

Resident Engineer OCL FIAP (ER-OCL)
Faisalabad

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Client Reference: OCL/C-126/CAA-FIAP/2021/3008/681

Dated: 30-08-02021

SOM Lab Ref: CED/SOM/4894(Page-1/1)

Dated: 31-08-2021

Test: Tension Test Bend Test

Test Specification: ASTM-A-615

Sample Type: M S Deformed (FF 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	1.008	12	12.77	113	128	67.20	90.50	594	525	800	708	35.0	200	17.5	
2	1.010	12	12.80	113	129	58.70	82.20	519	457	727	640	37.5	200	18.8	
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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

Sohail Afzal
Sr. Project Manager IZHAR GROUP OF COMPANIES, Lahore

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

Client Reference: ICPL/CONST-DML/21/56

Dated: 31-08-2021

SOM Lab Ref: CED/SOM/4896(Page-1/1)

Dated: 31-08-2021

Test: Tension Test

Test Specification: ASTM-A 307

Sample Type: L- Bolt

Gauge Length: 250 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	3.499	24	23.83	380	446	147.00	214.70	387	330	565	482	52.5	250	21.0	
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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

Sub Divisional Officer
Highway Sub Division, Mianwali

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

Client Reference: 329/SDO/Mwi

SOM Lab Ref: 4889(Page-1/1)

Dated: 05-07-2021

Dated: 31-08-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	1.506	6	0.751	0.44	0.443	12.84	16.94	64380	63950	84920	84350	1.10	8.0	13.8	
2	0.668	4	0.500	0.20	0.196	5.05	6.98	55650	56780	77000	78570	1.70	8.0	21.3	
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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

Taimur Hassan
Resident Engineer, Fort Munro Cadet College, D. G. Khan

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

Client Reference: AHQ/74260/2/52/Trq/FMCC

SOM Lab Ref: 4890 (Page-1/1)

Dated: 30-08-2021

Dated: 31-08-2021

Test: Tension 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	0.672	4	0.501	0.20	0.197	5.35	7.82	59020	59920	86220	87530	1.40	8.0	17.5	Moiz
2	0.673	4	0.502	0.20	0.198	5.38	7.85	59350	59950	86560	87430	1.50	8.0	18.8	Moiz
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BEND TEST:

# 4	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

Ehsan - Ullah-Saad
Project Manager, Zaheer Associates, Lahore

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

Client Reference: Z.A/A.R/25-22

SOM Lab Ref: 4892(Page-1/1)

Dated: 25-08-2021

Dated: 31-08-2021

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	1.524	6	0.755	0.44	0.448	19.11	23.45	95800	94090	117520	115420	1.00	8.0	12.5	
2	1.545	6	0.760	0.44	0.454	19.27	23.57	96570	93590	118130	114490	1.00	8.0	12.5	
3	0.683	4	0.506	0.20	0.201	6.63	8.56	73070	72700	94420	93960	1.00	8.0	12.5	
4	0.678	4	0.503	0.20	0.199	6.85	8.92	75540	75920	98360	98850	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
# 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

Umer Zaheer

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Manager Construction North N-I, (KLP Building Lahore), Allied Bank Lahore

Client Reference: HO/ENGG. Cell/AI/2021/351

SOM Lab Ref: 4893(Page-1/1)

Dated: 30-08-2021

Dated: 31-08-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Afco 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	1.504	6	0.750	0.44	0.442	17.91	21.36	89780	89370	107040	106560	1.00	8.0	12.5	
2	1.499	6	0.749	0.44	0.441	17.53	21.58	87880	87690	108170	107920	1.10	8.0	13.8	
3	1.085	5	0.637	0.31	0.319	9.99	12.51	71070	69070	88990	86480	1.00	8.0	12.5	
4	1.092	5	0.639	0.31	0.321	10.11	12.66	71940	69480	90070	86990	1.30	8.0	16.3	
5	0.644	4	0.491	0.20	0.189	5.73	7.65	63180	66850	84310	89210	1.00	8.0	12.5	
6	0.648	4	0.492	0.20	0.190	5.88	7.87	64860	68280	86780	91350	1.10	8.0	13.8	
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BEND TEST:

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

Babar Hassan
S. E. (WASO), GINUM, Pakistan Atomic Energy Commission

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

Client Reference: nil

SOM Lab Ref: 4895(Page-1/1)

Dated: 27-08-2021

Dated: 31-08-2021

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	0.668	4	0.500	0.20	0.196	6.65	9.07	73290	74790	100050	102090	1.30	8.0	16.3	
2	0.669	4	0.501	0.20	0.197	6.65	9.12	73290	74410	100610	102140	1.30	8.0	16.3	
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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