

Engr. Muhammad Akbar
 CEO, NAM Associates Lahore (MCB Bank, Rawat)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: NAM -417/21

SOM Lab
 Ref: 2706(Page-1/1)

Dated: 07-07-2020

Dated: 10-07-2020

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	2.531	8	0.973	0.79	0.744	22.55	33.64	62950	66840	93910	99720	1.20	8.0	15.0	
2	2.512	8	0.969	0.79	0.738	22.70	33.84	63380	67840	94480	101140	1.20	8.0	15.0	
3	1.482	6	0.745	0.44	0.436	13.53	18.17	67810	68430	91050	91890	1.30	8.0	16.3	
4	1.514	6	0.753	0.44	0.445	13.93	18.71	69850	69060	93760	92710	1.40	8.0	17.5	
5	1.046	5	0.625	0.31	0.307	10.60	13.97	75420	76160	99360	100330	1.00	8.0	12.5	
6	1.046	5	0.625	0.31	0.307	10.57	13.93	75210	75940	99140	100110	1.00	8.0	12.5	
7	0.668	4	0.500	0.20	0.196	5.79	8.33	63850	65150	91840	93710	1.40	8.0	17.5	
8	0.667	4	0.500	0.20	0.196	6.01	8.38	66320	67680	92400	94290	1.50	8.0	18.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Eight Samples Received and Tested

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

Fahad Gul,
Vice Construction Manager, (CEDC) Lahore

Test Performed By: Dr. /Engr.

S Asad Ali
Gillani

Client Reference: FW-002/TL/GD-003

SOM Lab

Ref: 2707(Page-1/1)

Dated: 08-07-2020

Dated: 10-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	3.417	9	1.131	1.00	1.004	39.35	48.64	86780	86440	107280	106860	1.00	8.0	12.5	
2	3.424	9	1.132	1.00	1.006	40.16	49.46	88580	88050	109080	108430	1.10	8.0	13.8	
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BEND TEST:

# 9	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

Faisal Mubarik Shabbir
Khan(Retd.)

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

TBt, TI (M), Lieutenant Colonel, Additional Director Development, DHA Phaes-XI (Rehbar) Lahore

Client Reference: 700/3/Girls School/Ph-XI/Projs/

SOM Lab
Ref: 2710(Page-1/1)

Dated: 06-07-2020

Dated: 10-07-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615
Deformed Bar (FF
Steel)

Gauge Length: 8 inch

Sample Type:

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	2.623	8	0.991	0.79	0.771	24.49	32.90	68360	70040	91840	94100	1.40	8.0	17.5	
2	2.638	8	0.993	0.79	0.775	24.57	33.03	68590	69910	92210	93990	1.50	8.0	18.8	
3	1.479	6	0.744	0.44	0.435	15.41	20.20	77260	78150	101270	102440	1.10	8.0	13.8	
4	1.480	6	0.744	0.44	0.435	14.83	19.80	74350	75200	99230	100370	1.20	8.0	15.0	
5	0.665	4	0.498	0.20	0.195	6.68	8.84	73630	75520	97460	99960	1.20	8.0	15.0	
6	0.666	4	0.500	0.20	0.196	6.39	8.69	70480	71920	95770	97730	1.20	8.0	15.0	
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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

Zulfiqar H Butt
 CEO, Al-Tawakkal Construction Company, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: TCC/20/41

Dated: 10-07-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2711(Page-1/1)

Dated: 10-07-2020

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	0.715	4	0.517	0.20	0.210	7.29	9.23	80370	76550	101730	96890	1.00	8.0	12.5	
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BEND TEST:

# 4	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

Muhammad Asif Bajwa
Resident Engineer, PU Lahore Progressive Consultants (Pvt) Ltd.)

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: PCL-562/LHR/IEEE/PU/105

SOM Lab

Ref: 2712(Page-1/1)

Dated: 10-07-2020

Dated: 10-07-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.652	8	0.996	0.79	0.779	24.74	33.76	69070	70040	94250	95580	1.30	8.0	16.3	
2	2.657	8	0.997	0.79	0.781	28.36	36.60	79170	80080	102170	103340	1.10	8.0	13.8	
3	1.569	6	0.766	0.44	0.461	14.58	22.17	73070	69740	111130	106070	1.10	8.0	13.8	
4	1.566	6	0.765	0.44	0.460	13.97	21.48	70000	66960	107660	102980	1.30	8.0	16.3	
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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	

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