

Qasim Naseer

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Ittefaq Building Solutions (Pvt) Ltd. Lahore (Project: Café Sajwal Sweets)

Client Reference: IBM/CSS/ST 02

Dated: 25-10-2019

SOM Lab Ref: CED/SOM/1635(Page-1/2)

Dated: 25-10-2019

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Sample Type: M S 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	3.870	25	25.05	491	493	266.20	337.70	542	540	688	685	35.0	200	17.5	
2	2.209	19	18.93	284	281	139.50	176.20	492	496	621	627	35.0	200	17.5	
3	0.875	12	11.91	113	111	59.70	73.00	528	536	645	655	27.5	200	13.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
19mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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

Khalid Bashir

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Ittefaq Building Solutions (Pvt) Ltd. Lahore (Project: Construction of Salt Room at PepsiCo, Hattar)

Client Reference: IBM/PH/ST/006

Dated: 24-10-2019

SOM Lab Ref: CED/SOM/1635(Page-2/2)

Dated: 25-10-2019

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Sample Type: M S 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	1.002	13	12.77	133	128	58.70	90.70	442	459	683	709	25.0	200	12.5	
2	1.003	13	12.76	133	128	58.50	91.00	441	458	686	713	25.0	200	12.5	
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BEND TEST:

13mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested
19mm	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

Nasir Mahmood

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Resident Engineer, Project Management Department, Al-Imam Enterprises (Pvt) Ltd Lahore

Client Reference: Al-Imam/746/PS-1/DHA/LHE/973

Dated: 24-10-2019

SOM Lab Ref: CED/SOM/1637(Page-1/1)

Dated: 25-10-2019

Test: Tension and Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Steel Bar(SJ 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	3.962	25	25.36	491	505	247.00	343.50	503	490	700	681	25.0	200	12.5	
2	4.003	25	25.48	491	510	247.80	343.50	505	486	700	674	27.5	200	13.8	
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BEND TEST:

25mm	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

Muhammad Arshad

Resident Engineer, Naqvi & Siddique, Regional Blood Center, Allied Hospital, Faisalabad

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: RBC/FSD/2019/02

Dated: 23-10-2019

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1626(Page-1/1)

Dated: 25-10-2019

ASTM-A-615

Deformed Bar (Ittefaq 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	1.519	6	0.754	0.44	0.446	17.15	21.05	85940	84790	105510	104090	1.20	8.0	15.0	
2	1.513	6	0.753	0.44	0.445	17.30	21.36	86710	85740	107040	105840	1.10	8.0	13.8	
3	0.657	4	0.496	0.20	0.193	6.09	9.02	67110	69540	99480	103090	1.10	8.0	13.8	
4	0.662	4	0.498	0.20	0.195	6.09	9.09	67110	68830	100270	102840	1.00	8.0	12.5	
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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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

Test Performed By: Dr. /Engr. M Irhan Ul Hassan

Client Reference: CONC - 20190725

SOM Lab

Ref: 1628(Page-1/1)

Dated: 25-10-2019

Dated: 25-10-2019

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed Bar(AF 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	2.659	8	0.997	0.79	0.781	24.13	35.58	67360	68140	99320	100460	1.40	8.0	17.5	
2	2.674	8	1.000	0.79	0.786	22.29	32.59	62240	62560	90980	91440	1.40	8.0	17.5	
3	2.703	8	1.005	0.79	0.794	22.91	32.74	63950	63630	91410	90950	1.00	8.0	12.5	
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BEND TEST:

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

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

Principal
University of Education Lower Mall Campus, Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: UELMC/2019/1798

Dated: 15-10-2019

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1629(P-1/1)

Dated: 25-10-2019

ASTM-A-615

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	2.603	8	0.987	0.79	0.765	15.97	25.03	44600	46050	69870	72150	2.20	8.0	27.5	
2	2.604	8	0.987	0.79	0.765	16.28	24.72	45450	46940	69010	71270	2.10	8.0	26.3	
3	1.459	6	0.739	0.44	0.429	9.76	14.34	48900	50150	71890	73740	2.00	8.0	25.0	
4	1.453	6	0.737	0.44	0.427	9.65	14.19	48390	49860	71130	73290	1.70	8.0	21.3	
5	0.655	4	0.494	0.20	0.192	5.47	8.10	60370	62880	89370	93090	1.40	8.0	17.5	
6	0.652	4	0.494	0.20	0.192	5.42	8.07	59800	62300	89030	92740	1.50	8.0	18.8	
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BEND TEST:

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

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

Sub Divisional Officer
Buildings Sub Division, No 6, Lahore

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

Client Reference: 113/Sd-6th
Dated: 21-10-2019
Test: Tension Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: Deformed Bar

SOM Lab
Ref: 1632 (Page-1/1)
Dated: 25-10-2019

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	2.556	8	0.978	0.79	0.751	18.37	29.28	51280	53950	81730	85980	1.80	8.0	22.5	
2	2.557	8	0.978	0.79	0.751	18.47	29.38	51570	54250	82020	86280	1.80	8.0	22.5	
3	1.478	6	0.743	0.44	0.434	10.60	16.02	53140	53880	80320	81430	2.00	8.0	25.0	
4	1.476	6	0.743	0.44	0.434	10.70	16.18	53650	54390	81090	82210	1.80	8.0	22.5	
5	0.661	4	0.497	0.20	0.194	5.50	7.95	60700	62580	87680	90390	1.70	8.0	21.3	
6	0.668	4	0.500	0.20	0.196	5.47	7.90	60370	61600	87120	88900	1.70	8.0	21.3	
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BEND TEST:

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

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

Haroon Yiusaf
Friends & Co. Gujranwala

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

Client Reference: nil
Dated: 25-10-2019

SOM Lab
Ref: 1633(Page-1/1)
Dated: 25-10-2019

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	1.417	6	0.728	0.44	0.416	10.96	17.15	54930	58100	85940	90900	1.40	8.0	17.5	
2	1.045	5	0.625	0.31	0.307	7.49	11.21	53310	53830	79780	80560	1.00	8.0	12.5	
3	0.667	4	0.500	0.20	0.196	6.14	9.30	67670	69050	102520	104610	1.00	8.0	12.5	
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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	
# 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

Progress Dynamics (Pvt) Ltd.
Formerly Known as Process Dynamics, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil

Dated: 22-10-2019

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1634(Page-1/1)

Dated: 25-10-2019

ASTM-F-1554

Anchor Bolt

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	1.521	6	0.754	0.44	0.447	14.95	23.90	74960	73780	119820	117940	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

