

Engr. Major Zia-UI-Islam ®

Test Performed By:

Dr. /Engr. Asad Ali Gillani

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

Client Reference: OCC/Steel/21

SOM Lab

Ref: 1381 (Page-1/2)

Dated: 09-12-2022

Dated: 09-12-2022

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	2.642	8	0.994	0.79	0.776	27.73	31.72	77410	78800	88560	90160	1.00	8.0	12.5	
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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

Engr. Major Zia-UI-Islam ®

Test Performed By:

Dr. /Engr. Asad Ali Gillani

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

Client Reference: OCC/Steel/20

SOM Lab

Ref: 1381 (Page-2/2)

Dated: 09-12-2022

Dated: 09-12-2022

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	1.502	6	0.749	0.44	0.441	16.13	20.05	80830	80650	100500	100280	1.20	8.0	15.0	
2	0.670	4	0.501	0.20	0.197	6.75	8.43	74420	75550	92960	94380	1.00	8.0	12.5	
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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. Nadeem Mahmood

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Civil & Urban Engineers,Lahore.(Fast Developers International (FDI) at FIEMDC,Faisalabad)

Client Reference: Nil

SOM Lab

Ref: 1382 (Page-1/1)

Dated: 08-12-2022

Dated: 09-12-2022

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	2.563	8	0.979	0.79	0.753	28.19	35.04	78690	82550	97810	102620	1.20	8.0	15.0	
2	2.564	8	0.980	0.79	0.754	28.08	34.83	78400	82150	97240	101880	1.30	8.0	16.3	
3	1.508	6	0.751	0.44	0.443	14.95	19.03	74960	74450	95400	94750	1.30	8.0	16.3	
4	1.505	6	0.750	0.44	0.442	15.29	19.32	76640	76300	96830	96390	1.10	8.0	13.8	
5	0.666	4	0.500	0.20	0.196	5.76	8.56	63510	64810	94420	96350	1.20	8.0	15.0	
6	0.666	4	0.500	0.20	0.196	5.76	8.56	63510	64810	94420	96350	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	
# 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,

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Punjab Employees Social Security Institution Lahore.(Const Of Social Security Hospital Sargodha)

Client Reference: SS.DC(207)/566

SOM Lab

Ref: 1383 (Page-1/1)

Dated: 08-12-2022

Dated: 09-12-2022

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	1.439	6	0.734	0.44	0.423	12.95	18.67	64890	67500	93610	97370	1.30	8.0	16.3	
2	1.448	6	0.736	0.44	0.426	12.86	18.83	64480	66600	94370	97480	1.10	8.0	13.8	
3	0.662	4	0.498	0.20	0.195	6.14	8.41	67670	69410	92740	95120	1.30	8.0	16.3	
4	0.652	4	0.494	0.20	0.192	6.01	8.28	66320	69090	91280	95080	1.10	8.0	13.8	
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BEND TEST:

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

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

Test Performed by: Dr. Asad Ali Gillani

Engr. Zaheer Ud Din Babar,
Dy.General Manager Projects,
Habib Rafiq Engineering (Pvt.)Ltd,Lahore
(Constructions Of sky Gardens Tower,Lahore)

Client Reference No.: HRLE/SKG/2022/094

Dated: 09-12-2022

SOM Lab Ref: CED/SOM/1384(Page 1/3)

Dated: 09-12-2022

Test: Tensile Test

Sample Type: M.S Deformed Steel bar with Coupler

Tension Test Results

Sr. No.	Bar Size	Area	Ultimate Load	Ultimate stress	Remarks
	(mm)	(mm ²)	kN	(Mpa)	
1	16	201	92.02	459	Thread Failure

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

Test Performed by: Dr. Asad Ali Gillani

Engr. Zaheer Ud Din Babar,
Dy.General Manager Projects,
Habib Rafiq Engineering (Pvt.)Ltd,Lahore
(Constructions Of sky Gardens Tower,Lahore)

Client Reference No.: HRLE/SKG/2022/095

Dated: 09-12-2022

SOM Lab Ref: CED/SOM/1384(Page 2/3)

Dated: 09-12-2022

Test: Tensile Test

Sample Type: M.S Deformed Steel bar with Coupler

Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate stress	Remarks
	(mm)	(mm ²)	kN	kN	(Mpa)	(Mpa)	
1	22	380	164.00	204.20	431	537	Thread Failure

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

Test Performed by: Dr. Asad Ali Gillani

Engr. Zaheer Ud Din Babar,
Dy.General Manager Projects,
Habib Rafiq Engineering (Pvt.)Ltd,Lahore
(Constructions Of sky Gardens Tower,Lahore)

Client Reference No.: HRLE/SKG/2022/096

Dated: 09-12-2022

SOM Lab Ref: CED/SOM/1384(Page 3/3)

Dated: 09-12-2022

Test: Tensile Test

Sample Type: M.S Deformed Steel bar with Coupler

Tension Test Results

Sr. No.	Bar Size	Area	Ultimate Load	Ultimate stress	Remarks
	(mm)	(mm ²)	kN	(Mpa)	
1	25	491	159.50	325	Thread Failure

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