

Fazal Ahmad, PM
 FESCON Pvt Ltd JV Fazal Malik & Co. Lahore

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: Nil
SOM Lab Ref: CED/SOM/975(Page-1/1)

Dated: 26-09-2022

Dated: 26-09-2022

Test: Tension Test

Test Specification: ASTM-F-1554

Sample Type: J Bolt (450mmx18mm)

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	2.310	18	19.35	254	294	100.50	148.70	395	342	584	506	32.5	200	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

Engr. Zaheer Ud Din Babar

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Dy. General Manager Projects.HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

Client Reference: HRLE/SKG/2022/065/2172

SOM Lab Ref: 966 (Page-1/1)

Dated: 23-09-2022

Dated: 23-09-2022

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.836	25	24.95	491	489	257.00	350.00	523	526	713	716	30.0	200	15.0	
2	3.788	25	24.79	491	482	265.00	351.20	540	550	715	728	32.5	200	16.3	
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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

Mascon Associates Pvt.Ltd

Test Performed By:

Dr. /Engr. Irfan UI Hassan

RE (Civil) Jv HA Consulting .(Estb Od Model Bazaar Head Office Building)

Client Reference: MAC-HAC/22/PMBMC/LT/018

SOM Lab

Ref: 967 (Page-1/1)

Dated: 22-09-2022

Dated: 23-09-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran 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	2.641	8	0.994	0.79	0.776	25.33	32.72	70720	72000	91350	93000	1.40	8.0	17.5	
2	0.702	4	0.512	0.20	0.206	6.49	8.21	71610	69520	90490	87860	1.20	8.0	15.0	
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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

Muhammad Shahid
Geo Drillers Engineering Lahore

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

Client Reference: Nil

SOM Lab

Ref: 968 (Page-1/1)

Dated: 23-09-2022

Dated: 23-09-2022

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	1.490	6	0.747	0.44	0.438	13.93	18.76	69850	70170	94020	94450	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Abdul Waheed Anwar
Sr.A/C & Admin Manager QUBE Faisalabad.

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

Client Reference: Nil

SOM Lab

Ref: 969 (Page-1/1)

Dated: 23-09-2022

Dated: 23-09-2022

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	0.689	4	0.507	0.20	0.202	6.39	8.48	70480	69780	93530	92600	1.10	8.0	13.8	
2	0.689	4	0.507	0.20	0.202	6.44	8.43	71040	70340	92960	92040	1.20	8.0	15.0	
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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

Yasir Ahmad
GM-Works FF Steel Lahore.

Test Performed By: Dr. /Engr. Irfan UI Hassan

Client Reference: Nil

SOM Lab

Ref: 970 (Page-1/1)

Dated: 02-09-2022

Dated: 23-09-2022

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	1.027	5	0.620	0.31	0.302	10.40	13.51	73970	75930	96090	98640	1.00	8.0	12.5	
2	1.022	5	0.618	0.31	0.300	9.55	13.17	67960	70220	93700	96820	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

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

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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0218
Dated: 21-09-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 971 (Page-1/4)
Dated: 23-09-2022
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	0.667	4	0.500	0.20	0.196	5.73	8.10	63180	64470	89370	91190	1.10	8.0	13.8	
2	0.655	4	0.494	0.20	0.192	5.63	8.10	62050	64640	89370	93090	1.10	8.0	13.8	
3	0.663	4	0.498	0.20	0.195	5.76	8.36	63510	65140	92180	94540	1.10	8.0	13.8	
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Witnessed By: Engr. Ali Hussnain Khan (K.B)

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0219
Dated: 21-09-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 971 (Page-2/4)
Dated: 23-09-2022
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	1.493	6	0.748	0.44	0.439	13.00	18.11	65150	65300	90800	91000	1.20	8.0	15.0	
2	1.458	6	0.738	0.44	0.428	12.64	17.69	63360	65140	88650	91140	1.20	8.0	15.0	
3	1.444	6	0.735	0.44	0.424	12.61	17.84	63210	65590	89420	92790	1.20	8.0	15.0	
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Witnessed By: Engr. Ali Hussnain Khan (K.B)

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/220
Dated: 21-09-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 971 (Page-3/4)
Dated: 23-09-2022
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	2.737	8	1.012	0.79	0.804	22.73	35.42	63460	62360	98890	97170	1.20	8.0	15.0	
2	2.727	8	1.010	0.79	0.801	22.91	35.52	63950	63070	99180	97820	1.40	8.0	17.5	
3	2.718	8	1.009	0.79	0.799	23.31	35.68	65090	64350	99600	98480	1.30	8.0	16.3	
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Witnessed By: Engr. Ali Hussnain Khan (K.B)

BEND TEST:

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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/221

SOM Lab

Ref: 971 (Page-4/4)

Dated: 21-09-2022

Dated: 23-09-2022

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	1.662	6	0.788	0.44	0.488	15.21	21.71	76240	68740	108830	98130	1.30	8.0	16.3	
2	1.653	6	0.787	0.44	0.486	15.21	21.99	76240	69020	110210	99780	1.20	8.0	15.0	
3	1.658	6	0.787	0.44	0.487	15.36	21.78	77000	69570	109190	98650	1.30	8.0	16.3	
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Witnessed By: Engr. Ali Hussnain Khan (K.B)

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

Sub Divisional Officer, BSD

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

Mandi Bahauddin. (Prov. Of Infra. Academic & Operational Facilities To The Punjab Uni Of Tech Rasul)

Client Reference: 287/MB

SOM Lab

Ref: 972 (Page-1/1)

Dated: 06-08-2022

Dated: 23-09-2022

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	2.610	8	0.988	0.79	0.767	22.83	32.08	63750	65660	89560	92240	1.30	8.0	16.3	
2	2.610	8	0.988	0.79	0.767	22.78	32.06	63610	65510	89500	92190	1.40	8.0	17.5	
3	1.465	6	0.741	0.44	0.431	14.70	20.29	73680	75220	101680	103800	1.20	8.0	15.0	
4	1.486	6	0.746	0.44	0.437	15.04	20.69	75370	75880	103720	104440	1.30	8.0	16.3	
5	0.661	4	0.497	0.20	0.194	6.78	9.25	74750	77070	101960	105110	1.10	8.0	13.8	
6	0.660	4	0.497	0.20	0.194	6.95	9.43	76660	79040	103980	107190	1.10	8.0	13.8	
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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

ESS.I.AAR

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE ESS-I-AAR Consultant.(Const Flyover at Railway Track Khan Pur Distt R.Y.Khan)

Client Reference: RE/ADP/R.Y.K/2321

SOM Lab

Ref:

973 (Page-1/1)

Dated: 15-09-2022

Dated:

23-09-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FFC 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	3.337	9	1.118	1.00	0.981	28.55	42.97	62970	64190	94760	96600	1.40	8.0	17.5	
2	3.396	9	1.127	1.00	0.998	28.97	43.39	63900	64020	95710	95900	1.30	8.0	16.3	
3	2.632	8	0.992	0.79	0.773	24.97	34.37	69720	71260	95960	98070	1.30	8.0	16.3	
4	2.663	8	0.998	0.79	0.783	24.92	34.37	69580	70200	95960	96820	1.30	8.0	16.3	
5	1.482	6	0.745	0.44	0.436	12.92	18.47	64740	65330	92590	93430	1.30	8.0	16.3	
6	1.485	6	0.745	0.44	0.436	13.51	19.11	67700	68320	95800	96680	1.30	8.0	16.3	
7	0.640	4	0.489	0.20	0.188	5.45	8.21	60140	63980	90490	96270	1.40	8.0	17.5	
8	0.640	4	0.489	0.20	0.188	6.29	8.58	69360	73790	94650	100690	1.00	8.0	12.5	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 9	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Twelve Samples Received and Tested</p>
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 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