

Muhammad Ehtsham
 Planning And Coordination Engr, Ittefaq Building Solution (Pvt) Ltd Lahore.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

Dated: 22-06-2022

SOM Lab Ref: CED/SOM/527(Page-1/1)

Dated: 22-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: 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	3.877	25	25.08	491	494	242.50	324.00	494	491	660	656	22.5	200	11.3	
2	2.464	20	19.99	314	314	139.50	204.70	444	445	652	653	35.0	200	17.5	
3	1.537	16	15.79	201	196	96.50	136.20	480	493	677	696	30.0	200	15.0	
4	1.008	12	12.79	113	128	58.70	84.20	519	458	744	656	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	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

Premier Developer & Builders

Test Performed By: Dr. /Engr. Nauman Khurram

Procurement Manager .(Lyalpur Galleria-II Near Four Season Colony Samundri Road,FSD)

Client Reference: LG-II/019SOM Lab 522 (Page-
Ref: 1/1)

Dated: 20-06-2022

Dated: 22-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (FF 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	2.600	8	0.986	0.79	0.764	23.45	32.33	65460	67680	90270	93340	1.80	8.0	22.5	
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BEND TEST:

8

Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Two Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Sub Divisional officer,

Test Performed By: Dr. /Engr. Nauman Khurram

BSD No.2,Lahore.(Development Cultural Tourism Village & Allied Facities At Harbanpura,Lhr)

Client Reference: 1163 2nd

SOM Lab Ref: 523 (Page-1/1)

Dated: 17-06-2022

Dated: 22-06-2022

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	0.677	4	0.503	0.20	0.199	4.89	6.95	53960	54230	76660	77050	1.30	8.0	16.3	
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BEND TEST:

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

Muhammad Irfan
Project Engr. DHA Gujranwala.(Sector C)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 111/15/PE/RS/Pkg-2A/425

SOM Lab 524 (Page-1/1)

Dated: 20-06-2022

Dated: 22-06-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	3.251	9	1.103	1.00	0.955	31.01	41.56	68390	71610	91660	95980	1.40	8.0	17.5	
2	3.251	9	1.103	1.00	0.955	31.09	41.49	68570	71800	91500	95810	1.40	8.0	17.5	
3	2.687	8	1.003	0.79	0.790	25.38	33.25	70860	70860	92830	92830	1.50	8.0	18.8	
4	2.639	8	0.994	0.79	0.776	24.92	32.47	69580	70840	90640	92280	1.40	8.0	17.5	
5	1.506	6	0.751	0.44	0.443	14.88	19.69	74600	74100	98720	98050	1.20	8.0	15.0	
6	1.510	6	0.752	0.44	0.444	14.85	19.59	74450	73780	98210	97320	1.30	8.0	16.3	
7	0.667	4	0.500	0.20	0.196	6.75	8.72	74420	75940	96110	98070	1.10	8.0	13.8	
8	0.667	4	0.500	0.20	0.196	6.73	8.69	74190	75710	95770	97730	1.10	8.0	13.8	
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BEND TEST:

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

Husnain Kareemain
Lahore.(Beacon House School Sargodha Campus)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab 525 (Page-1/1)

Dated: 22-06-2022

Dated: 22-06-2022

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	2.688	8	1.003	0.79	0.790	23.06	38.20	64370	64370	106630	106630	1.40	8.0	17.5	
2	1.492	6	0.747	0.44	0.438	12.51	20.03	62700	62980	100400	100860	1.50	8.0	18.8	
3	0.638	4	0.488	0.20	0.187	6.17	9.60	68010	72740	105890	113250	1.00	8.0	12.5	
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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	
# 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

Ravians Construction Services

Test Performed By: Dr. /Engr. Nauman Khurram

Sr. Project Manager Ravians Construction (Pvt.) Ltd (Const Of Fantasy Plaza, Dream Garden, Lahore)

Client Reference: Nil

SOM Lab 526 (Page-1/1)

Dated: 22-06-2022

Dated: 22-06-2022

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	1.506	6	0.751	0.44	0.443	12.84	19.11	64380	63950	95800	95160	1.50	8.0	18.8	
2	1.509	6	0.751	0.44	0.443	13.20	19.13	66170	65720	95910	95260	1.40	8.0	17.5	
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BEND TEST:

# 6	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

Manohar Lal

Test Performed By: Dr. /Engr. Nauman Khurram

RE Nespak.(Const Of Service More Flyover to Connect With Industrial Area-II Gujrat Link Rd Gujrat)

Client Reference: 103/GF/ML/Lab/07

SOM Lab 528 (Page-1/1)

Dated: 14-06-2022

Dated: 22-06-2022

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	0.663	4	0.498	0.20	0.195	7.16	8.82	78910	80940	97230	99730	1.20	8.0	15.0	
2	0.661	4	0.497	0.20	0.194	7.21	8.92	79470	81930	98360	101400	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

Muhammad Usman Lt Com PN

Test Performed By: Dr. /Engr. Nauman Khurram

Garrison Engr.(Navy) Lhr.(Const Of Sports Complex Ar PNWC,Const Of Children School,Walton Lhr)

Client Reference: 6024/24/24/E-6

SOM Lab 529 (Page-

Ref: 1/1)

Dated: 20-06-2022

Dated: 22-06-2022

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	2.683	8	1.002	0.79	0.788	23.34	32.67	65170	65340	91210	91440	1.30	8.0	16.3	
2	2.702	8	1.005	0.79	0.794	23.50	32.74	65600	65270	91410	90950	1.40	8.0	17.5	
3	1.065	5	0.631	0.31	0.313	9.30	12.90	66140	65510	91740	90860	1.40	8.0	17.5	
4	1.060	5	0.630	0.31	0.312	9.33	12.84	66360	65930	91380	90790	1.50	8.0	18.8	
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BEND TEST:

# 8	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	

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

Shakeel Ahmad

Test Performed By:

Dr. /Engr.

Nauman Khurram

ME TGC Builders.(Project: The Grand Central Mall, TGC, Faisalabad)

Client Reference: ME/TGC/Faisalabad

SOM Lab 530 (Page-

Ref: 1/1)

Dated: 22-06-2022

Dated: 22-06-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittehad 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	2.701	8	1.005	0.79	0.794	25.45	33.84	71060	70700	94480	94010	1.50	8.0	18.8	
2	2.678	8	1.001	0.79	0.787	25.69	34.25	71720	71990	95620	95980	1.40	8.0	17.5	
3	1.483	6	0.745	0.44	0.436	14.39	19.08	72150	72810	95650	96530	1.10	8.0	13.8	
4	1.477	6	0.743	0.44	0.434	14.98	19.42	75110	76150	97340	98680	1.10	8.0	13.8	
5	1.102	5	0.642	0.31	0.324	10.04	13.05	71440	68350	92830	88820	1.40	8.0	17.5	
6	1.100	5	0.641	0.31	0.323	10.09	13.27	71800	68910	94420	90620	1.30	8.0	16.3	
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BEND TEST:

8 Sample bend through 180 degrees Satisfactorily without any crack

6 Sample bend through 180 degrees Satisfactorily without any crack

5 Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Nine Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Bilal Suhail Memon (FL)

Test Performed By: Dr. /Engr. Nauman Khurram

Assistant Dir Fazaia Housing Scheme Lhr.(Water Course Culvert At Commercial Area FHS Lahore)

Client Reference: FHSL/5711/1/Org

SOM Lab 531 (Page-1/1)

Dated: 22-06-2022

Dated: 22-06-2022

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	1.588	6	0.771	0.44	0.467	12.18	18.81	61060	57530	94270	88820	1.40	8.0	17.5	
2	1.509	6	0.751	0.44	0.443	11.11	17.96	55700	55320	90030	89420	1.30	8.0	16.3	
3	0.537	4	0.449	0.20	0.158	3.57	5.37	39350	49800	59240	74990	1.00	8.0	12.5	
4	0.543	4	0.451	0.20	0.160	3.62	5.56	39910	49880	61270	76580	1.20	8.0	15.0	
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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

Engr. Hassan Mehmood

Test Performed By: Dr. /Engr. Nauman Khurram

RE G3 Engg Consult.(Const.of DHA Newlife Residency Appartments at 273/1Q Block Ph-II DHA.Lhr)

Client Reference: G3/DHA-NLD/RE/071

SOM Lab 541 (Page-

Ref: 1/1)

Dated: 22-06-2022

Dated: 23-06-2022

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	2.621	8	0.990	0.79	0.770	23.67	32.93	66080	67800	91920	94310	1.30	8.0	16.3	
2	2.614	8	0.989	0.79	0.768	23.80	33.10	66450	68360	92400	95050	1.40	8.0	17.5	
3	1.501	6	0.749	0.44	0.441	12.95	17.74	64890	64750	88910	88710	1.30	8.0	16.3	
4	1.504	6	0.750	0.44	0.442	13.07	18.32	65510	65210	91820	91400	1.40	8.0	17.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight 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

Engr. Zahid Abbas

Test Performed By: Dr. /Engr. Bilal Khokhar

CM Zameen Quadrangle.(Const. Of Zameen Quadrangle at Plot No.49,Gulberg-V Lahore)

Client Reference: ZD/ZQ/GSW/025

SOM Lab 543 (Page-1/1)

Dated: 23-06-2022

Dated: 23-06-2022

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	1.506	6	0.751	0.44	0.443	12.97	19.08	65000	64560	95650	95000	1.30	8.0	16.3	
2	1.495	6	0.748	0.44	0.439	12.95	18.42	64890	65040	92330	92540	1.20	8.0	15.0	
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BEND TEST:

# 6	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

Engr. Muhammad Kashif Saeed

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

P & Co Engr. Muhammad Ramzan Const. (Bopet Film Line (Novatex) Sheikhpura)

Client Reference: MRC/P-43/STEEL-04

SOM Lab 544 (Page-1/1)
Ref: 1/1)

Dated: 23-06-2022

Dated: 23-06-2022

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	2.722	8	1.009	0.79	0.800	25.35	34.88	70780	69890	97380	96170	1.40	8.0	17.5	
2	2.717	8	1.008	0.79	0.798	25.23	34.93	70440	69730	97530	96550	1.30	8.0	16.3	
3	1.535	6	0.758	0.44	0.451	14.29	19.75	71640	69890	98970	96560	1.30	8.0	16.3	
4	1.523	6	0.755	0.44	0.448	14.09	19.67	70620	69350	98610	96850	1.40	8.0	17.5	
5	0.669	4	0.501	0.20	0.197	6.57	8.89	72510	73610	98020	99510	1.30	8.0	16.3	
6	0.668	4	0.500	0.20	0.196	6.63	9.04	73070	74560	99710	101740	1.40	8.0	17.5	
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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

Talha Khalid Khan

Test Performed By: Dr. /Engr. Bilal Khokhar

A/XEN E&M GE (Air) Rafiqui.(Rehabilitation Of Aircraft Pen in Charlie Area at PAF Base Rafiqui)

Client Reference: 6567/43/E-6

SOM Lab Ref: 545 (Page-1/1)

Dated: 13-06-2022

Dated: 23-06-2022

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	0.712	4	0.516	0.20	0.209	5.98	9.07	65990	63150	100050	95740	1.20	8.0	15.0	
2	0.706	4	0.513	0.20	0.207	5.91	8.99	65200	62990	99150	95790	1.00	8.0	12.5	
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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

