

Hasham Jamil, PM

Test Performed
By:

Dr. /Engr. Asad Ali Gillani

Ittefaq Building Solution (Pvt)Ltd.(McDonald`s Restaurant Lake City,Lahore)

Client Reference: IBS/CED/MRLC-01

Dated : 08-06-2023

SOM Lab Ref: CED/SOM/2393(Page-1/1)

Dated : 08-06-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 m

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	3.866	25	25.03	491	492	258.00	349.50	526	525	712	711	37.5	200	18.8	
2	2.439	20	19.89	314	311	172.50	229.70	549	556	731	740	35.0	200	17.5	
3	1.546	16	15.84	201	197	92.20	128.00	459	469	637	650	35.0	200	17.5	
4	0.887	12	12.00	113	113	51.20	72.20	453	453	638	639	32.5	200	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Capital Contractors

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

Site In-Charge Capital Contractor Isb.(Fast "NU"Plot # 852-B,Block -B Faisal Town Lahore)

SOM Lab

Client Reference: Nil

Ref: 2386 (Page-1/1)

Dated: 08-06-2023

Dated: 08-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.581	8	0.982	0.79	0.758	27.59	34.45	77040	80290	96190	100250	1.30	8.0	16.3	33
2	2.566	8	0.980	0.79	0.754	26.22	33.18	73200	76690	92630	97050	1.40	8.0	17.5	33
3	2.574	8	0.981	0.79	0.756	24.18	31.57	67500	70540	88140	92100	1.40	8.0	17.5	40
4	2.597	8	0.986	0.79	0.763	32.06	38.30	89500	92670	106920	110700	1.20	8.0	15.0	40
5	2.542	8	0.975	0.79	0.747	25.96	32.82	72480	76660	91640	96910	1.60	8.0	20.0	45
6	2.577	8	0.982	0.79	0.757	29.02	35.39	81020	84550	98810	103110	1.20	8.0	15.0	45
7	0.635	4	0.488	0.20	0.187	5.45	8.38	60140	64320	92400	98820	1.30	8.0	16.3	40
8	0.661	4	0.497	0.20	0.194	5.76	8.72	63510	65480	96110	99080	1.50	8.0	18.8	40
9	0.637	4	0.488	0.20	0.187	5.56	8.48	61270	65520	93530	100030	1.40	8.0	17.5	45
10	0.683	4	0.506	0.20	0.201	6.49	9.55	71610	71250	105330	104800	1.20	8.0	15.0	45

BEND TEST:

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

Mirza Muhammad Shahzad,RE

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

Nespak Lahore.(Const Of Multi-Level Grade Separation Flyover at Shahdra Morr Lahore)

Client Reference: 4537/03/MSA/09/56

SOM Lab

Ref: 2388 (Page-1/1)

Dated: 07-06-2023

Dated: 08-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Mughal 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	2.633	8	0.993	0.79	0.774	25.56	33.44	71350	72820	93340	95270	1.60	8.00	20.00	A-617
2	2.640	8	0.994	0.79	0.776	25.50	33.44	71200	72490	93340	95030	1.80	8.00	22.50	B-3636
3	2.625	8	0.991	0.79	0.771	25.79	33.59	72000	73780	93770	96080	1.80	8.00	22.50	E-8946
4	1.022	5	0.618	0.31	0.300	10.65	13.20	75790	78310	93920	97050	1.20	8.00	15.00	A-538
5	1.047	5	0.626	0.31	0.308	10.40	13.40	73970	74450	95370	95990	1.20	8.00	15.00	B-3594
6	1.037	5	0.623	0.31	0.305	10.47	13.30	74480	75700	94640	96190	1.30	8.00	16.30	D-8095
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

Sr. #(1-3)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
Sr. #(4-6)	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

Design Force (Pvt) Ltd.

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Rwp.(Const Of APL retail Outlet at Mini Hazara Rest Area Motorway)

Client Reference: DFPL/Mini Hazara/Steel/23

SOM Lab

Ref: 2389 (Page-1/1)

Dated: 07-06-2023

Dated: 08-06-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed Bar (FF

Gauge Length: 8 h

Sample Type:

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	1.485	6	0.745	0.44	0.436	14.70	19.32	73680	74360	96830	97710	1.30	8.0	16.3	
2	1.494	6	0.748	0.44	0.439	13.99	19.62	70100	70260	98360	98580	1.30	8.0	16.3	
3	1.026	5	0.620	0.31	0.302	9.99	13.88	71070	72960	98780	101390	1.40	8.0	17.5	
4	1.014	5	0.616	0.31	0.298	9.84	13.48	69990	72800	95880	99740	1.20	8.0	15.0	
5	0.656	4	0.496	0.20	0.193	6.27	8.61	69130	71640	94990	98430	1.30	8.0	16.3	
6	0.661	4	0.497	0.20	0.194	6.29	8.69	69360	71500	95770	98740	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

IDAP Govt. Of Punjab
 Manager Projects,(Estb Of Emergency and Trauma Center at Jinnah Hospital)

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

Client Reference: E&T-JHL/Site/IDAP/2023/09

SOM Lab

Ref: 2390 (Page-1a/1)

Dated: 07-06-2022

Dated: 08-06-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed

Gauge Length: 8 h

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	2.607	8	0.988	0.79	0.766	22.88	32.87	63890	65890	91780	94650	1.20	8.0	15.0	5
2	2.610	8	0.988	0.79	0.767	22.73	32.67	63460	65370	91210	93940	1.40	8.0	17.5	5
3	1.486	6	0.746	0.44	0.437	14.14	19.24	70870	71360	96420	97080	1.20	8.0	15.0	5
4	1.490	6	0.747	0.44	0.438	13.73	19.44	68830	69140	97440	97880	1.20	8.0	15.0	5
5	0.660	4	0.497	0.20	0.194	6.34	8.77	69920	72080	96670	99660	1.20	8.0	15.0	5
6	0.661	4	0.497	0.20	0.194	6.37	8.72	70260	72430	96110	99080	1.10	8.0	13.8	5
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

IDAP Govt. Of Punjab
 Manager Projects,(Estb Of Emergency and Trauma Center at Jinnah Hospital)

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

Client Reference: E&T-JHL/Site/IDAP/2023/09

Dated: 07-06-2022

Test: Tension Test & Bend Test
 inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2390 (Page-1b/1)

Dated: 08-06-2023

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	2.637	8	0.993	0.79	0.775	23.82	34.27	66510	67800	95680	97530	1.20	8.00	15.00	6
2	2.636	8	0.993	0.79	0.775	23.92	34.22	66790	68090	95530	97380	1.40	8.00	17.50	6
3	1.488	6	0.746	0.44	0.437	13.63	18.83	68320	68790	94370	95020	1.40	8.00	17.50	4
4	1.494	6	0.748	0.44	0.439	13.53	19.54	67810	67960	97950	98170	1.30	8.00	16.30	4
5	0.653	4	0.494	0.20	0.192	6.32	8.74	69700	72600	96340	100350	1.20	8.00	15.00	3
6	0.656	4	0.496	0.20	0.193	6.39	8.69	70480	73040	95770	99250	1.20	8.00	15.00	3
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector K)

Test Performed By: Dr. /Engr. Rashid Hameed

Client Reference: 111/15/AD/RS/Lab/Sec-K/294

SOM Lab

Ref: 2391 (Page-1/1)

Dated: 07-06-2023

Dated: 08-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Sheikhoo 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	1.491	6	0.747	0.44	0.438	14.34	19.16	71890	72220	96060	96500	1.50	8.0	18.8	
2	1.478	6	0.743	0.44	0.434	14.12	19.03	70770	71750	95400	96710	1.60	8.0	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Mohsin Abbas,QAQC Manager

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

Zameen Developments Lhr.(Const Of ZAMEEN NEO at Plot # 13,Block-H Gulberg III Lahore)

Client Reference: ZD/QAQC/NEO/03

SOM Lab

Ref: 2392 (Page-1/1)

Dated: 08-06-2023

Dated: 08-06-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed Bar (SJ

Gauge Length: 8 h

Sample Type:

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	0.644	4	0.491	0.20	0.189	6.90	8.79	76100	80530	96900	102540	1.20	8.0	15.0	
2	0.648	4	0.492	0.20	0.190	6.80	8.74	74980	78920	96340	101410	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Test Performed

Manohar Lal
RE Nespak, Hafizabad. (Dualization of Rd From Guj to M-2 Interchange at Kot Sarwar Via Hafizabad)

By:

Dr. /Engr. Asad Ali Gillani

Client Reference: SA-466F/103/GH/ML/Lab/76

Dated: 16-05-2023

Test: Tension Test & Bend Test

Test Specification:

Gauge Length: 8 inch

Sample Type:

SOM Lab

Ref: 2394 (Page-1/1)

Dated: 08-06-2023

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	0.668	4	0.500	0.20	0.196	4.51	6.63	49690	50700	73070	74560	1.40	8.0	17.5	
2	0.658	4	0.496	0.20	0.193	4.20	6.47	46320	48000	71380	73970	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Imran Sattar

Divisional Forest Officer, Kasur Forest Division at Changa Manga. (Const of B/wall at changa Manga)

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

Client Reference: 1038-40/AC

Dated: 13-06-2023

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2395 (Page-1/1)

Dated: 08-06-2023

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	1.514	6	0.753	0.44	0.445	14.93	19.34	74860	74020	96930	95840	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Base & Bricks

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

GM Base & Bricks Solution.(Const Of SubCampus for Superior Uni Sialkot-W/Abad Rd,Sialkot)

Client Reference: B&B/Sub-Camp.Sialkot/Lot-2/2023/0806

SOM Lab

Ref: 2396 (Page-1/1)

Dated: 08-06-2023

Dated: 08-06-2023

Test: Tension Test & Bend Test
inc

Test Specification: ASTM-A-615
Deformed

Gauge Length: 8 h

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	2.64 3	8	0.99 5	0.79	0.77 7	23.77	32.57	66370	67480	90920	92450	1.7 0	8. 0	21.3	
2	2.63 5	8	0.99 3	0.79	0.77 4	22.27	31.04	62180	63470	86660	88450	1.5 0	8. 0	18.8	
3	1.07 7	5	0.63 5	0.31	0.31 7	11.49	15.41	81730	79930	10965 0	10723 0	1.3 0	8. 0	16.3	
4	1.04 2	5	0.62 4	0.31	0.30 6	11.28	14.95	80280	81330	10639 0	10778 0	1.2 0	8. 0	15.0	
5	0.66 6	4	0.50 0	0.20	0.19 6	6.57	8.23	72510	73990	90720	92570	1.3 0	8. 0	16.3	
6	0.67 3	4	0.50 2	0.20	0.19 8	6.29	7.87	69360	70060	86780	87660	1.2 0	8. 0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Batala Steel
Industries Badami Bagh Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 2397 (Page-1/1)

Dated: 08-06-2023

Dated: 08-06-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala 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	2.640	8	0.994	0.79	0.776	23.14	38.86	64600	65770	108480	110440	1.50	8.00	18.8	
2	2.652	8	0.996	0.79	0.779	23.85	39.01	66590	67530	108910	110450	1.50	8.00	18.8	
3	1.513	6	0.753	0.44	0.445	13.76	22.17	68980	68210	111130	109880	1.20	8.00	15.0	
4	1.522	6	0.754	0.44	0.447	13.71	22.07	68730	67650	110620	108890	1.30	8.00	16.3	
5	0.651	4	0.493	0.20	0.191	5.30	8.46	58460	61210	93300	97700	1.50	8.00	18.8	
6	0.651	4	0.493	0.20	0.191	5.35	8.26	59020	61800	91050	95340	1.30	8.00	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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