

Beacon Impex Private Ltd.
Faisalabad

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: B. I/Civil/21-112
Dated: 23-04-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab 4272(Page -
Ref: 1/1)
Dated: 29-04-2021
ASTM-A-615

Test Specification:
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	1.471	6	0.742	0.44	0.432	12.59	17.50	63100	64270	87730	89360	1.30	8.0	16.3	
2	0.668	4	0.500	0.20	0.196	7.41	10.16	81720	83390	112070	114360	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Farrukh Jamal
Project Manager, Unicon Consulting Services (Pvt) Ltd. Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil

Dated: 29-03-2019

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

ASTM-A-615

Deformed Bar

621(Page-
1/1)

09-04-2019

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	2.533	8	0.973	0.79	0.744	24.77	33.15	69160	73430	92550	98270	1.20	8.0	15.0	
2	2.575	8	0.982	0.79	0.757	25.15	33.40	70210	73270	93260	97320	1.10	8.0	13.8	
3	1.460	6	0.739	0.44	0.429	11.49	18.47	57590	59060	92590	94960	1.50	8.0	18.8	
4	1.481	6	0.744	0.44	0.435	11.90	18.86	59630	60320	94530	95610	1.00	8.0	12.5	
5	0.643	4	0.491	0.20	0.189	7.26	9.28	80040	84690	102290	108250	1.00	8.0	12.5	
6	0.637	4	0.488	0.20	0.187	6.95	9.17	76660	81990	101170	108200	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Wasif Manzoor

Test Performed By:

Dr. /Engr.

Nauman Khurram

Salman Developers, Site Office: 8-E/III Gulberg-III, Lahore (Project: Grand Square Mall)

Client Reference: nil

SOM Lab

4275(Page-

Ref:

1/1)

Dated: 29-04-2021

Dated:

29-04-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage 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	2.668	8	0.999	0.79	0.784	27.24	36.39	76040	76620	101600	102370	1.30	8.0	16.3	
2	2.613	8	0.989	0.79	0.768	24.03	34.25	67080	69000	95620	98360	1.20	8.0	15.0	
3	1.465	6	0.741	0.44	0.431	14.42	19.57	72300	73810	98100	100150	1.20	8.0	15.0	
4	1.465	6	0.741	0.44	0.431	15.44	20.39	77410	79030	102190	104320	1.20	8.0	15.0	
5	0.648	4	0.492	0.20	0.190	5.86	7.95	64640	68040	87680	92300	1.50	8.0	18.8	
6	0.667	4	0.500	0.20	0.196	6.27	8.26	69130	70540	91050	92910	1.30	8.0	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

Syed Mohsin Ali

Test Performed By:

Dr. /Engr.

Nauman Khurram

Resident Engineer, QA/QC, Department, Bahria Town, (Pvt) Ltd Lahore

Client Reference: QA/QC-Steel-2336

SOM Lab

4276(Page-

Ref:

1/1)

Dated: 27-04-2021

Dated:

29-04-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

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	1.491	6	0.747	0.44	0.438	19.83	22.32	99380	99830	111900	112410	1.00	8.0	12.5	
2	1.482	6	0.745	0.44	0.436	19.90	22.68	99740	100650	113690	114730	0.90	8.0	11.3	
3	0.683	4	0.506	0.20	0.201	7.92	10.11	87340	86910	111510	110960	1.00	8.0	12.5	
4	0.677	4	0.503	0.20	0.199	7.75	9.99	85430	85860	110160	110710	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Hafiz Muhammad Irfan
Project Engineer, Carrefour at Hyper Box Gujranwala (SMC)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 2038-BOX/008/2021

SOM Lab 4277(Page-

Ref: 1/1)

Dated: 29-04-2021

Dated: 29-04-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage Length: 8 inch

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	2.602	8	0.987	0.79	0.765	24.43	32.64	68220	70450	91120	94100	1.50	8.0	18.8	
2	2.607	8	0.988	0.79	0.766	23.98	32.26	66940	69030	90070	92890	1.50	8.0	18.8	
3	1.513	6	0.753	0.44	0.445	17.45	21.46	87480	86490	107560	106350	1.20	8.0	15.0	
4	1.500	6	0.749	0.44	0.441	18.93	23.70	94880	94670	118800	118530	1.10	8.0	13.8	
5	0.664	4	0.498	0.20	0.195	7.65	9.53	84310	86470	105100	107800	1.30	8.0	16.3	
6	0.662	4	0.498	0.20	0.195	8.10	9.76	89370	91660	107580	110330	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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