M. Aslam Anjum **Test Performed By:** **Dr. /Engr.** **S. Asad Ali Gillani**

Site Engineer, Project: Orphan Child Residence ARBT Trust, Feroze Pur Road Lahore

Client Reference: **nil** **SOM Lab Ref:** **2735 (Page-1/1)**

Dated: **16-07-2020** **Dated:** **16-07-2020**

Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615 Deformed**

Gauge Length: **8 inch** **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	1.494	8	0.748	0.79	0.439	15.97	19.16	44600	80250	53500	96280	1.00	8.0	12.5	
2	1.488	8	0.746	0.79	0.437	16.94	19.95	47300	85500	55700	100680	1.00	8.0	12.5	
3	0.666	8	0.500	0.79	0.196	7.54	8.66	21060	84880	24190	97500	1.00	8.0	12.5	
4	0.660	8	0.497	0.79	0.194	7.26	8.46	20270	82510	23620	96190	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Engr. Muhammad Taimoor **Test Performed By:** **Dr. /Engr.** **M. Irfan Ul Hassan**

Resident Engineer, Javed Electrical Consultant Engg

Client Reference: **nil** **SOM Lab Ref:** **2736 (Page-1/1)**

Dated: **07-07-2020** **Dated:** **16-07-2020**

Test: **Tension Test** **Test Specification:** **ASTM-A-615 Deformed**

Gauge Length: **8 inch** **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	1.486	6	0.746	0.44	0.437	13.86	19.67	69490	69970	98610	99290	1.00	8.0	12.5	
2	1.505	6	0.750	0.44	0.442	13.76	19.18	68980	68670	96160	95730	1.10	8.0	13.8	
3	1.039	5	0.623	0.31	0.305	10.09	14.34	71800	72980	102040	103710	1.10	8.0	13.8	
4	1.067	5	0.632	0.31	0.314	9.79	14.17	69620	68740	100810	99520	1.30	8.0	16.3	
5	0.633	4	0.487	0.20	0.186	6.52	8.77	71940	77360	96670	103950	1.00	8.0	12.5	
6	0.630	4	0.485	0.20	0.185	6.47	8.66	71380	77170	95550	103300	0.90	8.0	11.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 5	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Executive Engineer (B & W)
UVAS, Lahore

Test Performed By: **Dr. /Engr.** **M. Irfan Ul Hassan**

Client Reference: **E.E/531**
Dated: **15-07-2020**

SOM Lab Ref: **2737 (Page-1/1)**
Dated: **15-07-2020**

Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615 Deformed**

Gauge Length: **8 inch** **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	1.426	6	0.730	0.44	0.419	13.86	19.57	69490	72970	98100	103020	1.00	8.0	12.5	
2	0.672	4	0.501	0.20	0.197	6.42	8.51	70820	71900	93860	95290	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Four Samples Received and Tested

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

Muhammad Faheem Shehzad **Test Performed By:** **Dr. /Engr.** **M. Irfan Ul Hassan**

Mnicipal Officer (Infrastructure) Municipal Committee, Jaranwala

Client Reference: **249-G/MCJ** **SOM Lab Ref:** **2738 (Page-1/1)**

Dated: **15-07-2020** **Dated:** **15-07-2020**

Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615 Deformed**

Gauge Length: **8 inch** **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	0.592	4	0.471	0.20	0.174	6.63	8.15	73070	83990	89930	103370	1.10	8.0	13.8	
2	0.588	4	0.469	0.20	0.173	6.63	8.05	73070	84470	88800	102660	0.90	8.0	11.3	
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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

Maj Adnan khalid® **Test Performed By:** **Dr. /Engr.** **S. Asad Ali Gillani**

Dy Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: **408/241/E/Lab/945/5401** **SOM Lab Ref:** **2739(Page-1/1)**

Dated: **16-07-2020** **Dated:** **16-07-2020**

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	0.677	4	0.503	0.20	0.199	6.29	8.94	69360	69710	98580	99080	1.30	8.0	16.3	
2	0.676	4	0.503	0.20	0.199	6.37	8.79	70260	70610	96900	97380	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

Maj Adnan khalid® **Test Performed By:** **Dr. /Engr.** **S. Asad Ali Gillani**

Dy Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: **408/241/E/Lab/946/5426** **SOM Lab Ref:** **2740(Page-1/1)**

Dated: **16-07-2020** **Dated:** **16-07-2020**

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	0.650	4	0.493	0.20	0.191	6.19	8.74	68230	71450	96340	100870	1.20	8.0	15.0	
2	0.668	4	0.500	0.20	0.196	6.24	8.89	68800	70200	98020	100020	1.30	8.0	16.3	
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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

Assistant Executive Engineer,
Pakistan Railway Headquarter Office Lahore

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

Client Reference: **62-W/0/201/Lose**
Dated: **10-07-2020**

SOM Lab Ref: **2741(Page-1/1)**
Dated: **16-07-2020**

Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615 Deformed**

Gauge Length: **8 inch** **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	0.649	4	0.493	0.20	0.191	6.44	8.58	71040	74390	94650	99110	1.00	8.0	12.5	
2	0.648	4	0.492	0.20	0.190	6.47	8.63	71380	75140	95210	100220	1.10	8.0	13.8	
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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

Assistant Executive Engineer,
Pakistan Railway Headquarter Office Lahore

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

Client Reference: **62-W/0/201/Lose**
Dated: **10-07-2020**

SOM Lab Ref: **2741(Page-2/2)**
Dated: **16-07-2020**

Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615 Deformed**

Gauge Length: **8 inch** **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	1.415	6	0.728	0.44	0.416	14.34	19.18	71890	76040	96160	101710	1.10	8.0	13.8	
2	1.410	6	0.726	0.44	0.414	14.55	19.42	72910	77490	97340	103450	1.30	8.0	16.3	
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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