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

Assistant Engineer (Civil) Office of The Chief Engineer University of Okara

SOM Lab

 Client Reference:
 Nil
 Ref:
 1748(Page-1/2)

 Dated:
 Nil
 Dated:
 18-11-2019

Test:Tension TestTest Specification:ASTM-A-615Gauge Length:8 inchSample Type:Deformed Bar

		D	ia.	Α	rea	Yield	Ultimate	Yield	Stress	Ult. S	stress			u	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	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	14.85	19.49	74450	74790	97690	98140	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	ı	-	ı	ı	ı	1	-	ı	ı	
-	-	-	-	-	-	ı	-	ı	ı	ı	1	-	ı	ı	
-	-	-	-	-	-	ı	-	ı	ı	ı	1	-	ı	ı	
-	-	-	-	-	1	-	-		-	-	-	-	1	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
-	-	-	-	-	-	1	-		1	-	-	-	1	1	
-	-	-	-	-	-	- 1	-	-	1	-	1	-	1	1	
		•			·	•								•	

BEND TEST:

 No Bend test performed	Note:-
	Only One Sample
	Received and Tested

Awais Anjum Test Performed By: Dr. /Engr. Gillani

Assistant Engineer (Civil) Office of The Chief Engineer University of Okara

SOM Lab

 Client Reference:
 Nil
 Ref:
 1748(Page-2/2)

 Dated:
 Nil
 Dated:
 18-11-2019

Test:Tension TestTest Specification:ASTM-A-615Gauge Length:8 inchSample Type:Deformed Bar

		D	ia.	Α	rea	Yield	Ultimate	Yield	Stress	Ult. S	tress			n	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.679	4	0.505	0.20	0.200	6.49	8.38	71610	71610	92400	92400	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	ı	-	ı	ı	ı	ı	-	1	ı	
-	1	-	ı	-	ı	ı	-	ı	ı	ı	ı	-	ı	ı	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	1	-		1	-	-	-	-	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	

BEND TEST:

 No Bend test performed	Note:-
	Only One Sample
	Received and Tested

Awais Anjum Test Performed By: Dr. /Engr. Gillani

Assistant Engineer (Civil) Office of The Chief Engineer University of Okara

SOM Lab

 Client Reference:
 Nil
 Ref:
 1749(Page-1/1)

 Dated:
 Nil
 Dated:
 18-11-2019

Test:Tension TestTest Specification:ASTM-A-615Gauge Length:8 inchSample Type:Deformed Bar

		D	ia.	Α	rea	Yield	Ultimate	Yield	Stress	Ult. S	stress			u	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.678	4	0.503	0.20	0.199	6.65	8.43	73290	73660	92960	93430	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	

BEND TEST:

 No Bend test performed	Note:-
	Only One Sample
	Received and Tested

Engr Nadeem Mahmood

Test Performed By:

Dr. /Engr.

S. Asad Ali

Gillani

Civil & Urban Engineers, Lahore

SOM Lab

 Client Reference:
 nil
 Ref:
 1779 (Page-1/1)

 Dated:
 25-11-2019
 Dated:
 26-11-2019

Test:Tension Test & Bend TestTest Specification:ASTM-A-615Gauge Length:8 inchSample Type:Deformed Bar

		D	ia.	Α	rea	Yield	Ultimate	Yield	Stress	Ult. S	tress			_	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.499	6	0.749	0.44	0.441	12.51	18.78	62700	62550	94120	93900	1.80	8.0	22.5	
2	1.502	6	0.749	0.44	0.441	12.46	18.75	62440	62300	93960	93750	1.80	8.0	22.5	
3	0.659	4	0.497	0.20	0.194	5.63	8.23	62050	63970	90720	93520	1.40	8.0	17.5	
4	0.655	4	0.494	0.20	0.192	5.47	8.15	60370	62880	89930	93680	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

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

Sub Divisional Officer Test Performed By: Dr. /Engr. S. Asad Ali Gillani

Buildings Sub Division, No 10, Lahore

SOM Lab

 Client Reference:
 S44/10th
 Ref:
 1783 (Page-1/1)

 Dated:
 19-11-2019
 Dated:
 26-11-2019

Test:Tension TestTest Specification:ASTM-A-615Gauge Length:8 inchSample Type:Deformed Bar

		D	ia.	Α	rea	Yield	Ultimate	Yield	Stress	Ult. S	stress			П	
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.435	6	0.733	0.44	0.422	11.08	17.18	55540	57910	86100	89770	1.50	8.0	18.8	
2	1.429	6	0.731	0.44	0.420	11.11	17.18	55700	58350	86100	90200	1.20	8.0	15.0	
3	0.535	4	0.447	0.20	0.157	4.81	7.75	53060	67590	85430	108830	1.10	8.0	13.8	
4	0.528	4	0.444	0.20	0.155	4.89	7.56	53960	69620	83410	107620	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			•		•					•					

BEND TEST:

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