RE Gards **Test Performed By:** Dr. /Engr. Nauman Khurram

Macrise (Pvt) Ltd Lahore

Client Reference: nil **Dated:** 18-09-2019

SOM Lab Ref: CED/SOM/1418(Page-1/1) **Dated:** 18-09-2019

Test: Tension Test **Test Specification:** ASTM-F-1554

Sample Type: J Bolt **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	4.897	28	28.19	616	624	328.20	481.70	533	526	782	772	27.5	200	13.8	
2	2.201	20	18.90	314	280	134.00	232.00	427	478	738	828	20.0	200	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed

Note:-

Only Two Samples Received and Tested

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

M. Mazhar Maqbool **Test Performed By:** **Dr. /Engr.** **Nauman Khurram**

G. M. (Planning & Admin) Kraftcon (Pvt) Ltd. Lahore

Client Reference: **kpl/19/206** **Dated:** **18-09-2019**

SOM Lab Ref: **CED/SOM/1425 (Page-1/1)** **Dated:** **18-09-2019**

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	3.764	25	24.72	491	480	227.20	301.20	463	474	614	628	30.0	200	15.0	
2	2.360	20	19.56	314	301	157.70	204.70	502	525	652	681	32.5	200	16.3	
3	1.593	16	16.08	201	203	101.70	140.70	506	502	700	694	35.0	200	17.5	
4	0.936	12	12.32	113	119	50.70	80.00	448	426	707	671	37.5	200	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
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:-

Only Eight 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. Nauman Khurram**

Dy Dir MTL, Infra Dev Woks Sector -M (Exten), DHA Ph-V, (M/S AAJ Engrs)

Client Reference: **408/241/E/Lab/676/256** **SOM Lab Ref:** **1281(Page-1/1)**

Dated: **23-08-2019** **Dated:** **23-08-2019**

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

Gauge Length: **8 inch** **Sample Type:** **Deformed Bar (S. J. 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	2.669	8	0.999	0.79	0.784	23.45	31.47	65460	65960	87850	88520	1.30	8.0	16.3	
2	2.663	8	0.998	0.79	0.783	23.47	31.40	65510	66100	87650	88440	1.30	8.0	16.3	
3	1.521	6	0.754	0.44	0.447	13.40	17.64	67190	66140	88400	87010	1.20	8.0	15.0	
4	1.489	6	0.747	0.44	0.438	12.10	16.33	60650	60930	81860	82230	1.50	8.0	18.8	
5	0.678	4	0.503	0.20	0.199	9.12	12.81	100610	101110	141300	142010	0.90	8.0	11.3	
6	0.678	4	0.503	0.20	0.199	9.30	13.12	102520	103030	144670	145400	0.80	8.0	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 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:-

Only Nine Samples Received and Tested

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

Muhammad Aslam Siddiqui **Test Performed By:** **Dr. /Engr.** **Nauman Khurram**

Manager C. R & M, Allied Bank Ltd. Engineering Cell South -II, Abdali Tower, Abdali Road, Multan

Client Reference: **GHQ/S2/ENGG CELL/MTN/MA/2019/582** **SOM Lab Ref:** **1284(Page-1/1)**

Dated: **NIL** **Dated:** **23-08-2019**

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	2.625	8	0.991	0.79	0.771	25.59	33.66	71430	73190	93970	96290	1.00	8.0	12.5	
2	1.638	6	0.783	0.44	0.481	17.38	21.99	87120	79690	110210	100820	1.40	8.0	17.5	
3	0.648	4	0.492	0.20	0.190	6.88	8.46	75880	79870	93300	98210	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 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:-

Only Six Samples Received and Tested

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

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

Sr. Engineer (Civil) SWP, Pakistan Atomic Energy Commission, D G Khan

Client Reference: **SWP/W(2347)/2019** **SOM Lab Ref:** **1416 (Page-1/1)**

Dated: **17-09-2019** **Dated:** **18-09-2019**

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	1.439	6	0.734	0.44	0.423	16.18	19.47	81090	84350	97590	101510	1.20	8.0	15.0	
2	1.437	6	0.733	0.44	0.422	16.23	19.54	81340	84810	97950	102130	1.20	8.0	15.0	
3	0.670	4	0.501	0.20	0.197	6.68	8.41	73630	74750	92740	94150	1.10	8.0	13.8	
4	0.659	4	0.497	0.20	0.194	6.70	8.38	73850	76140	92400	95260	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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 M Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

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

Client Reference: **Nil**
Dated: **25-09-2019**

SOM Lab Ref: **1463(Page-1/1)**
Dated: **25-09-2019**

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	2.634	8	0.993	0.79	0.774	30.43	36.41	84950	86700	101650	103750	1.20	8.0	15.0	
2	2.510	8	0.969	0.79	0.738	29.41	35.63	82100	87890	99460	106470	1.10	8.0	13.8	
3	1.468	6	0.741	0.44	0.431	14.95	20.03	74960	76520	100400	102500	1.10	8.0	13.8	
4	1.471	6	0.742	0.44	0.432	14.98	19.88	75110	76500	99640	101480	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

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

Innovation Center & Innovation Park, U.E.T. Lahore (Narowal Campus)

Client Reference: **Univ/NRL/CIP/PD/491** **SOM Lab Ref:** **1419(Page-1/1)**

Dated: **17-09-2019** **Dated:** **18-09-2019**

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	2.703	8	1.005	0.79	0.794	24.16	32.11	67450	67110	89640	89190	1.30	8.0	16.3	
2	2.710	8	1.007	0.79	0.796	24.26	32.42	67730	67220	90500	89820	1.50	8.0	18.8	
3	1.563	6	0.764	0.44	0.459	14.27	21.20	71540	68570	106280	101880	1.00	8.0	12.5	
4	1.566	6	0.765	0.44	0.460	14.48	21.20	72560	69400	106280	101660	1.10	8.0	13.8	
5	0.677	4	0.503	0.20	0.199	7.72	9.58	85100	85520	105670	106200	1.00	8.0	12.5	
6	0.681	4	0.505	0.20	0.200	7.75	9.79	85430	85430	107910	107910	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 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:-

Only Nine Samples Received and Tested

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

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

Planning Engineer / SQS, Rasheed Brothers, Lahore

Client Reference: **nil** **SOM Lab Ref:** **1420 (Page-1/1)**

Dated: **18-09-2019** **Dated:** **18-09-2019**

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	1.472	6	0.743	0.44	0.433	14.90	19.44	74700	75910	97440	99010	1.00	8.0	12.5	
2	1.467	6	0.741	0.44	0.431	15.59	20.10	78130	79760	100760	102860	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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

Assistant Engineer, SMK, Propertiec (Pvt) Ltd. Lahore

Client Reference: **nil** **SOM Lab Ref:** **1421(Page-1/1)**

Dated: **18-09-2019** **Dated:** **18-09-2019**

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	2.668	8	0.999	0.79	0.784	28.44	37.18	79400	80010	103790	104580	1.20	8.0	15.0	
2	1.474	6	0.743	0.44	0.433	13.43	18.09	67290	68380	90690	92160	1.10	8.0	13.8	
3	0.634	4	0.487	0.20	0.186	5.50	8.74	60700	65270	96340	103590	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 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:-

Only Six Samples Received and Tested

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

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

Sr. Engineer (Civil) SWP, Pakistan Atomic Energy Commission, D G Khan

Client Reference: **SWP/W(2349)/2019** **SOM Lab Ref:** **1422 (Page-1/1)**

Dated: **03-09-2019** **Dated:** **18-09-2019**

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	1.477	6	0.743	0.44	0.434	13.99	19.52	70100	71070	97850	99200	1.30	8.0	16.3	
2	1.486	6	0.746	0.44	0.437	13.83	19.32	69340	69810	96830	97490	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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/700/3613** **SOM Lab Ref:** **1423(Page-1/1)**

Dated: **18-09-2019** **Dated:** **18-09-2019**

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	1.465	6	0.741	0.44	0.431	13.25	18.60	66430	67810	93250	95200	1.30	8.0	16.3	
2	1.477	6	0.743	0.44	0.434	14.07	19.85	70510	71490	99480	100860	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Ghani Ceramics Limited, Lahore

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

Client Reference: **nil**
Dated: **18-09-2019**

SOM Lab Ref: **1424(Page-1/1)**
Dated: **18-09-2019**

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	2.676	8	1.000	0.79	0.786	24.06	36.21	67160	67500	101080	101600	1.30	8.0	16.3	
2	1.514	6	0.753	0.44	0.445	13.15	20.23	65910	65170	101420	100280	1.30	8.0	16.3	
3	1.022	5	0.618	0.31	0.300	9.50	14.39	67590	69850	102400	105820	1.20	8.0	15.0	
4	0.637	4	0.488	0.20	0.187	5.58	8.38	61490	65760	92400	98820	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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 Eight 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		