Engr. Zaheer Ud Din Babar **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Dy. General Manager(Works).Habib Rafiq Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lhr)

Client Reference: HRLE/SKG/2024/161 **SOM Lab Ref:** 4687 (P-1/1)
Dated: 27-08-2024 **Dated:** 27-08-2024
Test: Tension Test **Test Specification:** ASTM-A-615
Guage Length: 200 mm **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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.826	22	21.41	387	360	195.20	261.00	504	543	674	725	32.5	200	16.3	
2	2.979	22	21.98	387	379	214.20	292.50	553	565	756	771	27.5	200	13.8	
3	0.883	12	11.97	113	112	58.50	78.70	518	521	696	700	25.0	200	12.5	
4	0.879	12	11.94	113	112	63.20	80.50	559	565	712	719	25.0	200	12.5	
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BEND TEST:

22mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	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

Mehmood Iqbal Cheema,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Nespak-Turk Pak JV, GH Bwn.(Estb Of General Hospital at Distt Bahawalnager)

Client Reference: 4460/13/MIAC/04/387 **SOM Lab Ref:**
Dated: 24-08-2024 **Dated:** 27-08-2024

Test: Tension Test **Test Specification:** ASTM-A-615
Guage Length: 200 mm **Sample Type:** MS Def Bar (Pak 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.741	25	24.64	491	477	226.20	305.00	461	475	621	640	32.5	200	16.3	
2	3.737	25	24.62	491	476	241.00	305.00	491	507	621	641	35.0	200	17.5	
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BEND TEST:

12mm	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

Mehmood Iqbal Cheema,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Nespak-Turk Pak JV, GH Bwn.(Estb Of General Hospital at Distt Bahawalnager)

Client Reference: 4460/13/MIAC/04/382 **SOM Lab Ref:**

Dated: 20-08-2024 **Dated:** 27-08-2024

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

Guage Length: 200 mm **Sample Type:** MS Def Bar (Faizan 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.464	20	20.00	314	314	162.00	206.00	516	516	656	657	32.5	200	16.3	
2	2.455	20	19.96	314	313	154.00	198.70	490	493	633	636	27.5	200	13.8	
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BEND TEST:

20mm	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

Mehmood Iqbal Cheema,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Nespak-Turk Pak JV, GH Bwn.(Estb Of General Hospital at Distt Bahawalnager)

Client Reference: 4460/13/MIAC/04/380 **SOM Lab Ref:**
Dated: 12-08-2024 **Dated:** 27-08-2024

Test: Tension Test **Test Specification:** ASTM-A-615
Guage Length: 200 mm **Sample Type:** MS Def Bar (Pak 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.475	20	20.03	314	315	151.20	209.70	482	480	668	666	30.0	200	15.0	
2	2.452	20	19.94	314	312	152.00	209.20	484	487	666	670	30.0	200	15.0	
3	0.936	12	12.32	113	119	75.70	90.70	670	636	803	762	25.0	200	12.5	
4	0.916	12	12.19	113	117	72.70	88.70	643	623	785	760	25.0	200	12.5	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	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

Sub Divisional Officer **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Noshera Sub Div UCC at Gujranwala.(Concrete Lining of Harpoki Disty)

Client Reference: 411/1-W **SOM Lab Ref:** 4688 (Page-1/1)

Dated: 05-08-2024 **Dated:** 27-08-2024

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

Gauge 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	1.469	6	0.742	0.44	0.432	13.17	18.30	66020	67240	91720	93420	1.50	8.0	18.8	IS-RC-KD
2	1.466	6	0.741	0.44	0.431	9.70	14.85	48650	49660	74450	76000	1.10	8.0	13.8	IS-RC-KD
3	1.470	6	0.742	0.44	0.432	9.76	14.44	48900	49810	72400	73740	1.20	8.0	15.0	IS-RC-KD
4	0.667	4	0.500	0.20	0.196	5.96	7.87	65760	67100	86780	88550	1.10	8.0	13.8	IS-RC-KD
5	0.662	4	0.498	0.20	0.195	5.07	7.36	55870	57300	81160	83240	1.00	8.0	12.5	IS-RC-KD
6	0.663	4	0.498	0.20	0.195	5.17	7.46	56990	58460	82290	84390	1.20	8.0	15.0	IS-RC-KD
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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

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

C/O M/S Amanah Noor Residence Model Town, Lahore.

Client Reference: Nil **SOM Lab Ref:** 4689 (Page-1/1)

Dated: 27-08-2024 **Dated:** 27-08-2024

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

Gauge 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	2.525	8	0.972	0.79	0.742	25.03	32.69	69870	74390	91270	97170	1.20	8.0	15.0	
2	1.471	6	0.742	0.44	0.432	15.46	18.93	77510	78950	94880	96640	1.20	8.0	15.0	
3	0.666	4	0.500	0.20	0.196	7.34	8.97	80940	82590	98920	100940	1.00	8.0	12.5	
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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

Muhammad Abdul Sattar Jalbani **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

ME Nespak,Taunsa.(PRMSC)(Provurement Of Civil Works,South-III, Tehsil Taunsa Pkg TAU-04)

Client Reference: NESPAK/PRSWSSP/TAUNSA/ME/343 **SOM Lab Ref:** 4690 (Page-1/1)

Dated: 23-08-2024 **Dated:** 27-08-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Prime Supreme)

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	2.617	8	0.990	0.79	0.769	21.71	35.70	60620	62270	99660	102380	1.40	8.0	17.5	
2	2.664	8	0.998	0.79	0.783	22.04	36.21	61530	62080	101080	101990	1.50	8.0	18.8	
3	1.426	6	0.730	0.44	0.419	12.18	18.98	61060	64120	95140	99910	1.10	8.0	13.8	
4	1.430	6	0.731	0.44	0.420	12.05	18.78	60400	63270	94120	98600	1.30	8.0	16.3	
5	0.663	4	0.498	0.20	0.195	5.61	8.61	61830	63410	94990	97420	1.20	8.0	15.0	
6	0.671	4	0.501	0.20	0.197	5.83	9.07	64300	65280	100050	101570	1.10	8.0	13.8	
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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

Allied Bank **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Unit Head PMO ABL-UML-P#199-200.(Const Of ABL Upper Mall Lahore Plot No 199,200)

Client Reference: ABL-UML-AMC-QAQC-87 **SOM Lab Ref:** 4691 (Page-1/1)

Dated: 27-08-2024 **Dated:** 27-08-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (FF 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	2.644	8	0.995	0.79	0.777	25.71	34.68	71770	72970	96820	98430	1.60	8.0	20.0	
2	2.639	8	0.994	0.79	0.776	25.81	34.93	72060	73360	97530	99290	1.30	8.0	16.3	
3	1.494	6	0.748	0.44	0.439	14.44	19.01	72400	72570	95290	95510	1.40	8.0	17.5	
4	1.494	6	0.748	0.44	0.439	14.75	19.47	73940	74100	97590	97810	1.30	8.0	16.3	
5	1.032	5	0.621	0.31	0.303	10.93	14.39	77750	79540	102400	104770	1.30	8.0	16.3	
6	1.030	5	0.621	0.31	0.303	10.88	14.32	77380	79170	101890	104250	1.10	8.0	13.8	
7	0.667	4	0.500	0.20	0.196	6.49	8.51	71610	73070	93860	95780	1.30	8.0	16.3	
8	0.672	4	0.501	0.20	0.197	6.39	8.53	70480	71560	94090	95520	1.30	8.0	16.3	
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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
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

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Mehmood Iqbal Cheema,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Nespak-Turk Pak JV, GH Bwn.(Estb Of General Hospital at Distt Bahawalnager)

Client Reference: 4460/13/MIAC/04/383 **SOM Lab Ref:** 4692 (Page-1/4)

Dated: 20-08-2024 **Dated:** 20-08-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (FF 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	2.689	8	1.003	0.79	0.790	25.35	34.42	70780	70780	96100	96100	1.30	8.0	16.3	
2	2.652	8	0.996	0.79	0.779	25.28	34.68	70580	71570	96820	98180	1.50	8.0	18.8	
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BEND TEST:

# 8	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

Asim Mushtaq
GM Factory Master Offisys (Pvt) Ltd. Lahore

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

Client Reference: PEMH05-002
Dated: 26-08-2024

SOM Lab Ref: 4693 (Page-1/1)
Dated: 27-08-2024

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (S # 26824-8)

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	2.626	8	0.991	0.79	0.772	28.75	35.47	80250	82120	99030	101340	1.40	8.0	17.5	
2	2.632	8	0.992	0.79	0.773	28.13	35.32	78550	80270	98610	100780	1.30	8.0	16.3	
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BEND TEST:

# 8	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

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

Site Engineer Lucky Core Industries.(Const Of Veterinary Pharmaceutical Building Sheikhupura)

Client Reference: Nil **SOM Lab Ref:** 4694 (Page-1/1)

Dated: 27-08-2024 **Dated:** 27-08-2024

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

Gauge 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	2.612	8	0.989	0.79	0.768	26.81	35.49	74850	76990	99090	101930	1.30	8.0	16.3	
2	2.606	8	0.988	0.79	0.766	26.20	35.75	73140	75430	99800	102930	1.20	8.0	15.0	
3	1.505	6	0.750	0.44	0.442	14.75	18.67	73940	73600	93610	93180	1.30	8.0	16.3	
4	1.504	6	0.750	0.44	0.442	15.41	19.22	77260	76910	96320	95880	1.20	8.0	15.0	
5	1.043	5	0.625	0.31	0.307	10.93	14.14	77750	78510	100590	101570	1.20	8.0	15.0	
6	1.031	5	0.621	0.31	0.303	10.83	13.99	77020	78800	99500	101800	1.20	8.0	15.0	
7	0.671	4	0.501	0.20	0.197	6.75	8.69	74420	75550	95770	97230	1.20	8.0	15.0	
8	0.671	4	0.501	0.20	0.197	6.73	8.84	74190	75320	97460	98940	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
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

Salman Aziz, ER **Test Performed By:** **Dr. /Engr.** Wasim Abbas
NesPak Lahore.(Construction of Celestia Tower, NSIT City)

SOM Lab Ref: 4695 (Page-1b/1)
Client Reference: 4722/13/SA/09/12
Dated: 21-08-2024 **Dated:** 27-08-2024

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615
Gauge Length: 8 inch **Sample Type:** Deformed Bar (Pak 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	1.497	6	0.748	0.44	0.440	15.72	21.02	78790	78790	105360	105360	1.20	8.0	15.0	
2	1.498	6	0.748	0.44	0.440	15.31	20.66	76750	76750	103570	103570	1.30	8.0	16.3	
3	1.482	6	0.745	0.44	0.436	15.55	20.76	77920	78640	104080	105040	1.30	8.0	16.3	
4	1.477	6	0.743	0.44	0.434	14.75	20.15	73940	74960	101020	102410	1.20	8.0	15.0	
5	1.495	6	0.748	0.44	0.439	14.70	20.18	73680	73850	101170	101400	1.30	8.0	16.3	
6	1.492	6	0.747	0.44	0.438	14.60	20.41	73170	73500	102290	102760	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Salman Aziz, ER **Test Performed By:** **Dr. /Engr.** Wasim Abbas
NesPak Lahore.(Construction of Celestia Tower, NSIT City)

SOM Lab Ref: 4695 (Page-1a/1)
Client Reference: 4722/13/SA/09/12
Dated: 21-08-2024 **Dated:** 27-08-2024

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615
Gauge Length: 8 inch **Sample Type:** Deformed Bar (Pak 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	2.460	8	0.959	0.79	0.723	20.87	27.93	58260	63650	77980	85200	1.50	8.0	18.8	
2	2.457	8	0.959	0.79	0.722	20.85	27.98	58200	63680	78120	85480	1.60	8.0	20.0	
3	2.472	8	0.961	0.79	0.726	22.07	29.20	61610	67050	81530	88720	1.50	8.0	18.8	
4	2.416	8	0.951	0.79	0.710	23.67	31.82	66080	73530	88850	98860	1.50	8.0	18.8	
5	2.560	8	0.979	0.79	0.752	23.80	31.88	66450	69810	88990	93490	1.50	8.0	18.8	
6	2.465	8	0.960	0.79	0.724	21.92	29.02	61190	66760	81020	88410	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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