

Sr. Manager (Civil)
Lucky Cement Limited, Pezu

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

Client Reference: LCL/Civil/Line-2/2021/6/512

Dated: 04-06-2021

SOM Lab Ref: CED/SOM/4404 (Page-1/4)

Dated: 07-06-2021

Test: Tensile 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	1.548	16	15.84	201	197	97.50	134.50	485	495	669	683	27.5	200	13.8	
2	1.563	16	15.92	201	199	94.00	132.50	468	473	659	666	30.0	200	15.0	
3	1.552	16	15.87	201	198	100.70	133.00	501	510	661	673	35.0	200	17.5	
4	1.555	16	15.88	201	198	101.50	133.70	505	513	665	675	35.0	200	17.5	
5	1.598	16	16.10	201	204	101.00	133.70	502	497	665	657	35.0	200	17.5	
6	1.580	16	16.01	201	201	101.00	133.20	502	502	662	662	37.5	200	18.8	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	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

Sr. Manager (Civil)
Lucky Cement Limited, Pezu

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

Client Reference: LCL/Civil/Line-2/2021/6/512

Dated: 04-06-2021

SOM Lab Ref: CED/SOM/4404 (Page-2/4)

Dated: 07-06-2021

Test: Tensile Test & Bend Test

Test Specification: ASTM-A-615

Sample Type: Deformed Bar(Al-Moiz Steel)

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	0.994	12	12.72	113	127	55.50	85.20	491	438	753	671	32.5	200	16.3	
2	0.989	12	12.67	113	126	55.70	85.20	492	443	753	677	32.5	200	16.3	
3	0.997	12	12.72	113	127	55.60	84.50	492	438	747	666	30.0	200	15.0	
4	0.992	12	12.68	113	126	55.50	84.20	491	440	744	667	35.0	200	17.5	
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
12mm	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

Sr. Manager (Civil)
Lucky Cement Limited, Pezu

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

Client Reference: LCL/Civil/Line-2/2021/6/512

Dated: 04-06-2021

SOM Lab Ref: CED/SOM/4404 (Page-3/4)

Dated: 07-06-2021

Test: Tensile 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	2.231	20	19.02	314	284	136.70	184.50	435	482	587	650	32.5	200	16.3	
2	2.202	20	18.90	314	280	135.70	183.50	432	484	584	655	30.0	200	15.0	
3	2.200	20	18.89	314	280	129.20	189.70	411	462	604	677	37.5	200	18.8	
4	2.190	20	18.85	314	279	129.00	189.70	411	463	604	680	35.0	200	17.5	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
20mm	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

Sr. Manager (Civil)
Lucky Cement Limited, Pezu

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

Client Reference: LCL/Civil/Line-2/2021/6/512

Dated: 04-06-2021

SOM Lab Ref: CED/SOM/4404 (Page-4/4)

Dated: 07-06-2021

Test: Tensile 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	3.813	25	24.88	491	486	214.00	321.00	436	441	654	661	40.0	200	20.0	
2	3.821	25	24.90	491	487	212.00	319.50	432	436	651	657	40.0	200	20.0	
3	3.775	25	24.74	491	481	212.50	318.70	433	442	649	663	42.5	200	21.3	
4	3.795	25	24.81	491	483	211.00	318.00	430	437	648	658	35.0	200	17.5	
5	3.800	25	24.83	491	484	212.50	319.50	433	439	651	661	42.5	200	21.3	
6	3.785	25	24.78	491	482	212.00	319.50	432	440	651	663	37.5	200	18.8	
7	3.829	25	24.92	491	488	213.00	319.00	434	437	650	654	40.0	200	20.0	
8	3.831	25	24.93	491	488	212.50	319.00	433	436	650	654	40.0	200	20.0	
9	3.818	25	24.88	491	486	212.00	318.90	432	436	650	656	40.0	200	20.0	
10	3.803	25	24.84	491	484	212.00	319.70	432	438	651	660	35.0	200	17.5	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Fifteen Samples Received and Tested
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
25mm	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

Abdul Rashid Buzdar (Project Manager)

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

BWRDSP CONSULTANTS, Construction of KARKH Valley Development Subproject,MRB (NCB-01)

Client Reference: 4078/061/ARB/01/254

Dated: 04-06-2021

SOM Lab Ref: CED/SOM/4413 (Page-1/1)

Dated: 07-06-2021

Test: ONLY 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	4.869	28	28.10	616	620	302.20	405.50	491	488	659	655	40.0	200	20.0	
2	4.941	28	28.31	616	629	301.70	408.20	490	480	663	649	37.5	200	18.8	
3	3.881	25	25.09	491	494	242.20	331.20	493	490	675	670	37.5	200	18.8	
4	3.880	25	25.09	491	494	246.70	327.70	503	500	668	664	27.5	200	13.8	
5	2.233	19	19.03	284	285	136.60	182.00	482	481	642	640	37.5	200	18.8	
6	2.257	19	19.13	284	287	136.20	180.90	480	474	638	630	32.5	200	16.3	
7	0.986	12.7	12.65	123	126	60.20	81.00	491	480	660	645	30.0	200	15.0	
8	0.973	12.7	12.57	123	124	59.00	79.70	481	476	649	643	32.5	200	16.3	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

28mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
19mm	Sample bend through 180 degrees Satisfactorily without any crack	
12.7mm	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

Abdul Rashid Buzdar (Project Manager)

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

BWRDSP CONSULTANTS, Construction of KARKH Valley Development Subproject,MRB (NCB-01)

Client Reference: 4078/061/ARB/01/256

Dated: 04-06-2021

SOM Lab Ref: CED/SOM/4414 (Page-1/1)

Dated: 07-05-2021

Test: ONLY 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	3.828	25	24.93	491	488	228.70	322.50	466	469	657	661	35.0	200	17.5	
2	3.836	25	24.94	491	489	229.70	323.20	468	471	658	662	37.5	200	18.8	
3	2.166	19	18.75	284	276	153.50	186.70	541	557	658	677	32.5	200	16.3	
4	2.198	19	18.88	284	280	154.50	187.00	545	552	660	668	30.0	200	15.0	
5	2.241	19	19.07	284	286	142.00	188.20	501	498	664	660	30.0	200	15.0	
6	2.243	19	19.08	284	286	143.00	188.00	504	501	663	658	27.5	200	13.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
19mm	Sample bend through 180 degrees Satisfactorily without any crack	
19mm	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

Muhammad Danish Khurshid
 Manager Construction, Orient Electronice (Pvt) Ltd, Lahore

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

Client Reference: OSH-SO/UET/Agha Steel Test/070621-16

Dated: 07-06-2021

SOM Lab Ref: CED/SOM/4422 (Page-1/1)

Dated: 07-06-2021

Test: Tensile 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	1.013	12	12.82	113	129	66.70	82.50	590	518	729	640	32.5	200	16.3	
2	0.984	12	12.63	113	125	62.50	81.20	553	499	718	649	30.0	200	15.0	
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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

Project Manager
Nazir & Sons Trust Building Construction Project, Lahore

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

Client Reference: NST/MT/SR/UET/011

SOM Lab
Ref: 4399(Page-1/1)

Dated: 07-06-2021

Dated: 07-06-2021

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed(Batala Premium 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	2.633	8	0.993	0.79	0.774	21.53	31.82	60110	61350	88850	90680	1.40	8.0	17.5	
2	2.608	8	0.988	0.79	0.766	19.95	31.14	55700	57440	86940	89660	1.40	8.0	17.5	
3	2.660	8	0.998	0.79	0.782	23.52	32.64	65650	66330	91120	92060	1.70	8.0	21.3	
4	1.437	6	0.733	0.44	0.422	12.84	19.72	64380	67130	98870	103090	1.20	8.0	15.0	
5	1.441	6	0.734	0.44	0.423	12.72	19.47	63770	66330	97590	101510	1.20	8.0	15.0	
6	1.438	6	0.734	0.44	0.423	12.81	19.59	64230	66810	98210	102150	1.30	8.0	16.3	
7	0.661	4	0.497	0.20	0.194	5.86	8.92	64640	66640	98360	101400	1.10	8.0	13.8	
8	0.662	4	0.498	0.20	0.195	6.88	9.25	75880	77820	101960	104570	1.10	8.0	13.8	
9	0.647	4	0.492	0.20	0.190	6.19	9.07	68230	71830	100050	105310	1.20	8.0	15.0	
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BEND TEST:

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

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

BeaCon Impex Private Ltd.
Faisalabad

Test Performed By: Dr. /Engr. S. Asas Ali Gillani

Client Reference: B. I/Civil/21-115
Dated: 02-06-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 4400(Page - 1/1)
Dated: 07-06-2021
Test Specification: ASTM-A-615
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	2.643	8	0.995	0.79	0.777	24.16	32.33	67450	68580	90270	91780	1.70	8.0	21.3	
2	1.511	6	0.752	0.44	0.444	14.60	19.98	73170	72510	100150	99250	1.30	8.0	16.3	
3	0.652	4	0.494	0.20	0.192	5.63	8.18	62050	64640	90150	93910	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: ST/UET/ 20210607-A

Dated: 07-06-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4401(Page-1/1)

Dated: 07-06-2021

ASTM-A-615

Deformed Bar(Batala Premium)

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	2.601	8	0.986	0.79	0.764	22.73	34.61	63460	65620	96620	99900	1.40	8.0	17.5	
2	2.615	8	0.989	0.79	0.768	22.94	34.83	64030	65870	97240	100030	1.30	8.0	16.3	
3	2.585	8	0.984	0.79	0.760	22.83	34.53	63750	66260	96390	100190	1.30	8.0	16.3	
4	1.493	6	0.748	0.44	0.439	12.23	18.86	61320	61460	94530	94740	1.50	8.0	18.8	
5	1.488	6	0.746	0.44	0.437	12.35	19.18	61930	62350	96160	96820	1.40	8.0	17.5	
6	1.488	6	0.746	0.44	0.437	12.35	18.96	61930	62350	95040	95690	1.20	8.0	15.0	
7	0.663	4	0.498	0.20	0.195	6.01	8.77	66320	68020	96670	99150	1.10	8.0	13.8	
8	0.661	4	0.497	0.20	0.194	6.09	8.77	67110	69190	96670	99660	1.10	8.0	13.8	
9	0.654	4	0.494	0.20	0.192	5.68	8.18	62610	65220	90150	93910	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve 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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

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

Client Reference: ST/UET/ 20210607-34

SOM Lab

Ref: 4402(Page-1/1)

Dated: 07-06-2021

Dated: 07-06-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Batala Premium)

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	2.622	8	0.991	0.79	0.771	25.61	36.60	71490	73250	102170	104680	1.30	8.0	16.3	
2	2.634	8	0.993	0.79	0.774	25.38	36.41	70860	72330	101650	103750	1.30	8.0	16.3	
3	2.633	8	0.993	0.79	0.774	25.35	36.62	70780	72240	102220	104330	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

# 8	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 Arif

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Sr. QS. Thaheem Construction Co. (Project: Jadeed Hatchery Ext: Khaniwal)

Client Reference: TCC/UET/315

SOM Lab

Ref: 4406(Page-1/1)

Dated: 04-06-2021

Dated: 07-06-2021

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	1.511	6	0.752	0.44	0.444	12.20	18.88	61160	60610	94630	93780	1.30	8.0	16.3	
2	1.517	6	0.754	0.44	0.446	12.74	19.44	63870	63010	97440	96130	1.10	8.0	13.8	
3	0.982	5	0.607	0.31	0.289	7.65	12.69	54390	58350	90290	96850	1.20	8.0	15.0	
4	0.972	5	0.603	0.31	0.286	7.67	12.69	54540	59120	90290	97870	1.30	8.0	16.3	
5	0.641	4	0.489	0.20	0.188	4.94	7.49	54520	58000	82620	87900	1.50	8.0	18.8	
6	0.648	4	0.492	0.20	0.190	5.05	7.61	55650	58570	83970	88390	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 5	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

Karamat Ali
AB Contractor, Walton Lahore

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

Client Reference: ABC/2021/05-03

SOM Lab

Ref: 4407(Page-1/1)

Dated: 31-05-2021

Dated: 07-06-2021

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	2.564	8	0.980	0.79	0.754	25.33	31.52	70720	74100	87990	92190	1.20	8.0	15.0	
2	1.481	6	0.744	0.44	0.435	14.63	18.52	73320	74170	92840	93910	1.20	8.0	15.0	
3	0.656	4	0.496	0.20	0.193	7.16	10.14	78910	81770	111850	115900	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Sajid Mahmood

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Manager Construction Projects, 3 & 4, Tipu Block New Garden Town, Allied Bank Head Office, Lahore

Client Reference: HOL/ENGG. C.P./SM/2020/24

SOM Lab

Ref: 4409 (Page-1/1)

Dated: 07-06-2021

Dated: 07-06-2021

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	2.569	8	0.980	0.79	0.755	26.81	31.86	74850	78320	88930	93060	1.30	8.0	16.3	
2	2.592	8	0.985	0.79	0.762	27.32	31.91	76270	79070	89070	92350	1.20	8.0	15.0	
3	1.484	6	0.745	0.44	0.436	16.99	20.59	85180	85960	103210	104160	1.10	8.0	13.8	
4	1.478	6	0.743	0.44	0.434	16.92	20.56	84820	85990	103060	104480	1.00	8.0	12.5	
5	1.051	5	0.627	0.31	0.309	10.57	12.90	75210	75450	91740	92040	1.20	8.0	15.0	
6	1.040	5	0.624	0.31	0.306	10.67	12.84	75930	76920	91380	92570	1.10	8.0	13.8	
7	0.587	4	0.469	0.20	0.173	6.80	8.05	74980	86680	88800	102660	0.90	8.0	11.3	
8	0.587	4	0.469	0.20	0.173	6.39	7.80	70480	81480	85990	99410	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 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: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

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

Client Reference: IHPL/Steel/081

SOM Lab

Ref: 4410(Page-1/2)

Dated: 03-06-2021

Dated: 07-06-2021

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	1.472	6	0.743	0.44	0.433	14.02	19.90	70260	71390	99740	101350	1.30	8.0	16.3	
2	1.472	6	0.743	0.44	0.433	14.60	20.34	73170	74350	101940	103580	1.20	8.0	15.0	
3	1.473	6	0.743	0.44	0.433	15.57	21.22	78020	79290	106380	108100	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: IHPL/Steel/080

Dated: 03-06-2021

SOM Lab

Ref: 4410(Page-2/2)

Dated: 07-06-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

ASTM-A-615

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	0.655	4	0.494	0.20	0.192	5.83	8.48	64300	66980	93530	97420	1.40	8.0	17.5	
2	0.663	4	0.498	0.20	0.195	5.68	8.31	62610	64220	91610	93960	1.30	8.0	16.3	
3	0.663	4	0.498	0.20	0.195	5.78	8.41	63740	65370	92740	95120	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

Executive Engineer
Highways Division Gujrat

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

Client Reference: 419/MCB

SOM Lab

Ref: 4411(Page-1/1)

Dated: 17-03-2021

Dated: 07-06-2021

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	2.656	8	0.997	0.79	0.781	25.64	35.29	71570	72400	98520	99660	1.00	8.0	12.5	
2	2.650	8	0.996	0.79	0.779	25.33	34.68	70720	71720	96820	98180	1.10	8.0	13.8	
3	1.494	6	0.748	0.44	0.439	14.27	20.44	71540	71700	102450	102680	1.30	8.0	16.3	
4	1.511	6	0.752	0.44	0.444	13.83	20.05	69340	68710	100500	99600	1.30	8.0	16.3	
5	0.674	4	0.502	0.20	0.198	5.91	9.02	65200	65860	99480	100490	1.20	8.0	15.0	
6	0.672	4	0.501	0.20	0.197	5.66	8.87	62390	63340	97800	99290	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Engr Tayyab Rasool

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Project Manager, Renaissance international (Pvt) Ltd. Lahore Motorway City Project

Client Reference: QC/21/006

SOM Lab

Ref: 4415(Page-1/1)

Dated: 07-06-2021

Dated: 07-06-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	2.615	8	0.989	0.79	0.768	22.78	33.13	63610	65430	92490	95140	1.40	8.0	17.5	
2	2.611	8	0.988	0.79	0.767	24.97	35.29	69720	71810	98520	101480	1.30	8.0	16.3	
3	1.481	6	0.744	0.44	0.435	12.23	17.86	61320	62020	89520	90550	1.30	8.0	16.3	
4	1.468	6	0.741	0.44	0.431	12.69	17.96	63620	64940	90030	91910	1.20	8.0	15.0	
5	0.674	4	0.502	0.20	0.198	6.93	8.77	76440	77210	96670	97650	1.10	8.0	13.8	
6	0.676	4	0.503	0.20	0.199	6.83	8.58	75320	75690	94650	95130	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Naveed Ahmed
Material Engineer, DHA, Bahawalpur)

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

Client Reference: 535/QC/MTL

SOM Lab

Ref: 4416(Page-1/1)

Dated: 04-06-2021

Dated: 07-06-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Mughal Suprem 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	2.633	8	0.993	0.79	0.774	26.88	36.80	75050	76600	102730	104860	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Two 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 Gillan

Dy Dir MTL, Infra Development Works Phase XI, Sector -Q, Rahbar - (M/S DHAC)

Client Reference: 408/241/E/Lab/79/16/4SWB

SOM Lab

Ref: 4417(Page-2/2)

Dated: 07-06-2021

Dated: 07-06-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Kamran

Gauge Length: 8 inch

Sample Type:

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	0.657	4	0.496	0.20	0.193	6.27	8.77	69130	71640	96670	100180	1.30	8.0	16.3	
2	0.657	4	0.496	0.20	0.193	6.19	8.35	68230	70710	92060	95400	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

Maj Adnan khalid®

Test Performed By: Dr. /Engr. S. Asad Ali Gillan

Dy Dir MTL, Infra Development Works Phase XI, Sector -Q, Rahbar - (M/S DHAC)

Client Reference: 408/241/E/Lab/78/OHWT02

SOM Lab

Ref: 4417(Page-1/2)

Dated: 07-06-2021

Dated: 07-06-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed Bar (Kamran

Gauge Length: 8 inch

Sample Type: 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	1.489	6	0.747	0.44	0.438	12.44	18.11	62340	62620	90800	91210	1.60	8.0	20.0	
2	1.492	6	0.747	0.44	0.438	12.74	18.24	63870	64160	91410	91830	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Engr Faisal Iqbal
Resident Engineer, Allied Engineering Consultants (Pvt) Ltd.

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: AEC/GUJ/2021/19

Dated: 27-06-2021

SOM Lab

Ref: 4418(Page-1/1)

Dated: 07-06-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	25.81	33.81	72060	74120	94400	97100	1.40	8.0	17.5	
2	1.482	6	0.745	0.44	0.436	16.02	19.88	80320	81060	99640	100550	1.20	8.0	15.0	
3	1.035	5	0.622	0.31	0.304	10.72	13.12	76300	77800	93340	95180	1.10	8.0	13.8	
4	0.649	4	0.493	0.20	0.191	5.63	8.83	62050	64980	97350	101930	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
# 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: Please always confirm the results of above report on web www.uet-civil.edu.pk

Asif Pervaiz Butt
Project Manager, AYQ Developers Pvt. Ltd. Lahore

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

Client Reference: Nil

SOM Lab

Ref: 4419(Page-1/1)

Dated: 07-06-2021

Dated: 07-06-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	2.629	8	0.992	0.79	0.773	34.86	38.45	97330	99470	107340	109700	1.10	8.0	13.8	
2	2.598	8	0.986	0.79	0.763	27.73	35.17	77410	80150	98180	101660	1.20	8.0	15.0	
3	2.643	8	0.995	0.79	0.777	33.64	37.43	93910	95480	104500	106250	1.10	8.0	13.8	
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BEND TEST:

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

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

Dr. Umar Karim Mirza
 Project Incharge, Ravi Chemical Complex, Sheikhpura

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

Client Reference: nil

SOM Lab

Ref: 4420 (Page-1/1)

Dated: 07-06-2021

Dated: 07-06-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

ASTM-A-615

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	1.461	6	0.739	0.44	0.429	12.86	18.45	64480	66140	92480	94850	1.50	8.0	18.8	
2	1.463	6	0.740	0.44	0.430	13.12	18.65	65760	67290	93510	95680	1.40	8.0	17.5	
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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

Aslam Zahid
Chief Executive Officer, Salman & Salman Associates Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil

Dated: 07-06-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4421(Page-1/1)

Dated: 07-06-2021

ASTM-A-615

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	1.466	6	0.741	0.44	0.431	12.92	19.52	64740	66090	97850	99890	1.10	8.0	13.8	
2	0.671	4	0.501	0.20	0.197	6.14	9.19	67670	68700	101390	102940	1.30	8.0	16.3	
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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

