

Engr.Jaffer Rashid

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Sr.PM Izhar Construction (Pvt.)Ltd.(Construction Of Nestle Office)

Client Reference: ICPL/NHO/Lab/21/07

Dated: 23-11-2021

SOM Lab Ref: CED/SOM/5349(Page-1/1)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	0.874	12	11.89	113	111	60.70	79.70	537	547	705	719	25.0	200	12.5	
2	0.880	12	11.95	113	112	61.20	80.20	541	546	709	716	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Major Tanveer Ahmad ®

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

RE-2,ACES DHA Multan.(Civil Infrastructure Development Works DHA Multan)

Client Reference: ACES-DHAM-NLC-044

Dated: 22-11-2021

SOM Lab Ref: CED/SOM/5350(Page-1/1)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	0.890	12	12.00	113	113	59.00	77.00	522	523	681	682	22.5	200	11.3	
2	0.890	12	12.02	113	113	58.20	74.00	515	514	654	653	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

12mm Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Three Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Riasat Ali
Style Textile (Pvt.)Ltd.Lahore(Style K3 Sap Project)

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

Client Reference: Mughal Steel (ASE)
SOM Lab Ref: CED/SOM/5353(Page-1a/21)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar

Dated: 05-11-2021
Dated: 23-11-2021
Test Specification: ASTM-A 615
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	3.865	25	25.03	491	492	254.20	323.20	518	517	658	657	32.5	200	16.3	
2	3.860	25	25.02	491	492	251.20	322.00	512	511	656	655	30.0	200	15.0	
3	3.867	25	25.05	491	493	252.00	322.20	513	512	656	655	30.0	200	15.0	
4	3.852	25	25.00	491	491	254.90	324.00	519	520	660	661	32.5	200	16.3	
5	2.612	20	20.58	314	333	172.00	215.70	547	518	687	649	32.5	200	16.3	
6	2.568	20	20.41	314	327	173.00	216.00	551	529	688	661	30.0	200	15.0	
7	2.573	20	20.43	314	328	172.20	214.20	548	526	682	654	35.0	200	17.5	
8	2.580	20	20.46	314	329	171.50	213.70	546	522	680	651	32.5	200	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	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	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Riasat Ali
Style Textile (Pvt.)Ltd.Lahore(Style K3 Sap Project)

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

Client Reference: Mughal Steel (ASE)
SOM Lab Ref: CED/SOM/5353(Page-1b/21)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar

Dated: 05-11-2021
Dated: 23-11-2021
Test Specification: ASTM-A 615
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	1.571	16	15.96	201	200	108.70	140.50	541	544	699	703	30.0	200	15.0	
2	1.541	16	15.81	201	196	112.00	143.70	557	571	715	733	30.0	200	15.0	
3	1.544	16	15.82	201	197	110.00	142.00	547	560	706	723	32.5	200	16.3	
4	1.569	16	15.95	201	200	111.70	142.90	556	559	711	716	32.5	200	16.3	
5	0.913	12	12.17	113	116	62.00	78.20	548	534	691	673	30.0	200	15.0	
6	0.917	12	12.20	113	117	63.00	79.10	557	540	699	678	30.0	200	15.0	
7	0.911	12	12.16	113	116	64.00	82.50	566	552	729	711	27.5	200	13.8	
8	0.911	12	12.15	113	116	63.70	82.00	563	550	725	707	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Riasat Ali
 Style Textile (Pvt.)Ltd.Lahore(Style SAP PH3 Project)

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

Client Reference: Mughal Steel (ASE)

Dated: 25-10-2021

SOM Lab Ref: CED/SOM/5353(Page-2a/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	3.871	25	25.05	491	493	235.00	306.20	479	477	624	622	37.5	200	18.8	
2	3.819	25	24.89	491	487	252.00	325.70	513	518	664	670	37.5	200	18.8	
3	3.843	25	24.97	491	490	251.20	318.70	512	514	649	651	35.0	200	17.5	
4	3.835	25	24.94	491	488	240.70	312.80	490	493	637	641	35.0	200	17.5	
5	2.412	20	19.78	314	307	162.70	205.70	518	530	655	670	30.0	200	15.0	
6	2.416	20	19.79	314	308	163.20	208.20	519	531	663	677	32.5	200	16.3	
7	2.431	20	19.86	314	310	163.00	208.00	519	527	662	672	32.5	200	16.3	
8	2.441	20	19.90	314	311	164.00	209.30	522	528	666	674	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	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	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Riasat Ali

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Style Textile (Pvt.)Ltd.Lahore(Style SAP PH3 Project)

Client Reference: Mughal Steel (ASE)

Dated: 25-10-2021

SOM Lab Ref: CED/SOM/5353(Page-2b/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	1.569	16	15.96	201	200	110.00	137.00	547	550	681	685	30.0	200	15.0	
2	1.571	16	15.96	201	200	109.70	138.00	546	549	686	690	30.0	200	15.0	
3	1.541	16	15.81	201	196	110.00	139.30	547	561	693	710	27.5	200	13.8	
4	1.537	16	15.79	201	196	111.70	145.20	556	571	722	742	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

16mm Sample bend through 180 degrees Satisfactorily without any crack

16mm Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Six Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Riasat Ali

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Style Textile (Pvt.)Ltd.Lahore(Style SAP PH3 Project)

Client Reference: (Naveena Steel) ASE

Dated: 08-10-2021

SOM Lab Ref: CED/SOM/5353(Page-3/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	1.570	16	15.96	201	200	117.70	143.20	585	589	712	716	32.5	200	16.3	
2	1.560	16	15.91	201	199	118.70	144.00	590	598	716	725	30.0	200	15.0	
3	1.572	16	15.97	201	200	118.20	143.20	588	591	712	715	32.5	200	16.3	
4	1.602	16	16.12	201	204	118.00	144.00	587	579	716	706	27.5	200	13.8	
5	0.939	12	12.34	113	120	58.70	81.50	519	491	721	682	32.5	200	16.3	
6	0.877	12	11.93	113	112	59.00	82.00	522	528	725	734	30.0	200	15.0	
7	0.890	12	12.02	113	113	61.70	80.70	546	545	714	712	32.5	200	16.3	
8	0.865	12	11.85	113	110	60.70	81.20	537	551	718	737	32.5	200	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Riasat Ali
 Style Textile (Pvt.)Ltd.Lahore(Style P3 SAP Project)

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

Client Reference: MUGHAL STEEL(ASE)
SOM Lab Ref: CED/SOM/5353(Page-4/21)

Dated: 02-11-2021
Dated: 23-11-2021

Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar

Test Specification: ASTM-A 615
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	3.925	25	25.23	491	500	250.70	320.00	511	502	652	640	35.0	200	17.5	
2	3.888	25	25.11	491	495	250.70	319.20	511	507	650	645	32.5	200	16.3	
3	2.560	20	20.38	314	326	183.00	224.00	583	562	713	687	32.5	200	16.3	
4	2.562	20	20.38	314	326	182.00	223.00	579	558	710	684	30.0	200	15.0	
5	1.594	16	16.08	201	203	107.20	135.20	533	528	672	666	30.0	200	15.0	
6	1.592	16	16.07	201	203	107.20	135.20	533	529	672	667	32.5	200	16.3	
7	0.920	12	12.22	113	117	62.00	78.20	548	530	691	668	30.0	200	15.0	
8	0.915	12	12.18	113	117	63.10	79.20	558	542	700	680	32.5	200	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
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: Please always confirm the results of above report on web www.uet-civil.edu.pk

Riasat Ali

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Style Textile (Pvt.)Ltd.Lahore(Style SAP PH3 Project)

Client Reference: MUGHAL STEEL(ASE)

Dated: 08-10-2021

SOM Lab Ref: CED/SOM/5353(Page-5/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	3.805	25	24.85	491	485	247.20	316.80	504	510	645	654	37.5	200	18.8	
2	3.836	25	24.95	491	489	248.00	318.00	505	508	648	651	40.0	200	20.0	
3	3.840	25	24.96	491	489	247.70	317.70	505	507	647	650	35.0	200	17.5	
4	3.806	25	24.85	491	485	246.00	316.00	501	508	644	652	37.5	200	18.8	
5	1.578	16	16.00	201	201	106.70	135.00	531	531	671	672	32.5	200	16.3	
6	1.550	16	15.86	201	198	105.90	134.00	527	537	666	679	32.5	200	16.3	
7	1.553	16	15.87	201	198	105.70	133.70	526	535	665	676	30.0	200	15.0	
8	1.547	16	15.84	201	197	106.00	135.20	527	538	672	687	32.5	200	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	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	
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

Riasat Ali

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Style Textile (Pvt.)Ltd.Lahore(Style C1 SAP Project)

Client Reference: MUGHAL STEEL(KRAFTCON)

Dated: 05-11-2021

SOM Lab Ref: CED/SOM/5353(Page-6a/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	4.024	25	25.56	491	513	269.00	348.00	548	525	709	679	32.5	200	16.3	
2	4.029	25	25.57	491	513	271.00	343.20	552	528	699	669	35.0	200	17.5	
3	3.965	25	25.36	491	505	270.90	345.00	552	537	703	684	32.5	200	16.3	
4	4.018	25	25.53	491	512	269.20	346.20	548	526	705	677	40.0	200	20.0	
5	2.331	20	19.44	314	297	175.20	213.20	558	591	679	719	30.0	200	15.0	
6	2.444	20	19.91	314	311	176.00	215.50	560	566	686	693	32.5	200	16.3	
7	2.352	20	19.53	314	300	176.20	216.00	561	588	688	721	30.0	200	15.0	
8	2.502	20	20.15	314	319	175.00	213.00	557	550	678	669	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	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	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Riasat Ali

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Style Textile (Pvt.)Ltd.Lahore(Style C1 SAP Project)

Client Reference: MUGHAL STEEL(KRAFTCON)

Dated: 05-11-2021

SOM Lab Ref: CED/SOM/5353(Page-6b/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	1.622	16	16.24	201	207	116.00	145.70	577	561	725	704	30.0	200	15.0	
2	1.711	16	16.66	201	218	116.50	144.20	579	535	717	662	32.5	200	16.3	
3	1.563	16	15.92	201	199	131.50	162.50	654	661	808	817	30.0	200	15.0	
4	1.622	16	16.22	201	207	118.00	146.00	587	572	726	707	30.0	200	15.0	
5	0.922	12	12.23	113	117	62.70	77.70	554	534	687	662	25.0	200	12.5	
6	0.894	12	12.05	113	114	60.00	76.00	531	527	672	668	25.0	200	12.5	
7	0.907	12	12.13	113	115	56.20	74.00	497	487	654	641	30.0	200	15.0	
8	0.925	12	12.25	113	118	60.00	75.90	531	510	671	645	32.5	200	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Riasat Ali

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Style Textile (Pvt.)Ltd.Lahore.(Style SAP C1 Project)

Client Reference: MUGHAL STEEL(KRAFTCON)

Dated: 08-10-2021

SOM Lab Ref: CED/SOM/5353(Page-7a/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	3.957	25	25.33	491	504	264.00	334.70	538	524	682	665	37.5	200	18.8	
2	3.935	25	25.26	491	501	262.00	333.20	534	523	679	665	40.0	200	20.0	
3	3.951	25	25.31	491	503	263.00	333.70	536	523	680	664	37.5	200	18.8	
4	3.945	25	25.30	491	503	263.80	334.00	537	525	680	665	35.0	200	17.5	
5	2.478	20	20.05	314	316	168.50	214.20	536	534	682	679	35.0	200	17.5	
6	2.471	20	20.02	314	315	167.90	214.00	534	534	681	680	32.5	200	16.3	
7	2.476	20	20.04	314	315	168.00	214.70	535	533	683	681	35.0	200	17.5	
8	2.494	20	20.11	314	318	168.00	213.70	535	529	680	673	35.0	200	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	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	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Riasat Ali

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Style Textile (Pvt.)Ltd.Lahore.(Style SAP C1 Project)

Client Reference: MUGHAL STEEL(KRAFTCON)

Dated: 08-10-2021

SOM Lab Ref: CED/SOM/5353(Page-7b/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	1.546	16	15.84	201	197	101.10	136.20	503	514	677	692	35.0	200	17.5	
2	1.543	16	15.82	201	197	102.00	138.20	507	519	687	703	32.5	200	16.3	
3	1.532	16	15.76	201	195	104.20	141.20	518	534	702	724	35.0	200	17.5	
4	1.549	16	15.85	201	197	97.20	133.00	483	493	661	675	30.0	200	15.0	
5	0.900	12	12.09	113	115	59.20	76.50	523	517	676	667	35.0	200	17.5	
6	0.903	12	12.10	113	115	60.00	76.00	531	522	672	661	32.5	200	16.3	
7	0.902	12	12.10	113	115	59.00	75.70	522	514	669	659	32.5	200	16.3	
8	0.895	12	12.05	113	114	59.50	77.00	526	522	681	676	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Riasat Ali
 Style Textile (Pvt.)Ltd.Lahore.(Style C1SAP Project)

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

Client Reference: NAVEENA STEEL(KRAFTCON)

Dated: 29-10-2021

SOM Lab Ref: CED/SOM/5353(Page-8/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	3.900	25	25.16	491	497	296.20	362.00	603	596	737	729	32.5	200	16.3	
2	3.896	25	25.14	491	496	302.00	370.00	615	609	754	746	32.5	200	16.3	
3	1.582	16	16.02	201	202	118.00	147.70	587	586	735	733	25.0	200	12.5	
4	1.598	16	16.10	201	204	123.00	151.00	612	605	751	742	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

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

Riasat Ali

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Style Textile (Pvt.)Ltd.Lahore.(Style C1 SAP Project)

Client Reference: AGHA STEEL(KRAFTCON)

Dated: 29-10-2021

SOM Lab Ref: CED/SOM/5353(Page-9/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	3.782	25	24.77	491	482	238.20	315.20	485	495	642	654	35.0	200	17.5	
2	3.812	25	24.86	491	486	246.00	321.70	501	507	655	663	30.0	200	15.0	
3	2.465	20	20.00	314	314	161.20	210.20	513	514	669	670	32.5	200	16.3	
4	2.453	20	19.95	314	313	157.00	205.50	500	503	654	658	37.5	200	18.8	
5	0.897	12	12.06	113	114	62.70	77.50	554	549	685	679	22.5	200	11.3	
6	0.899	12	12.08	113	115	59.00	74.00	522	516	654	647	22.5	200	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm Sample bend through 180 degrees Satisfactorily without any crack

20mm Sample bend through 180 degrees Satisfactorily without any crack

12mm Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Nine Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Riasat Ali

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Style Textile (Pvt.)Ltd.Lahore.(Style C1 SAP Project)

Client Reference: AMRELI STEEL(KRAFTCON)

Dated: 29-10-2021

SOM Lab Ref: CED/SOM/5353(Page-10/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	2.459	20	19.96	314	313	171.20	199.70	545	547	636	639	35.0	200	17.5	
2	2.456	20	19.96	314	313	172.20	200.50	548	551	638	641	32.5	200	16.3	
3	1.509	16	15.64	201	192	110.90	142.50	552	578	709	742	30.0	200	15.0	
4	1.610	16	16.16	201	205	102.70	128.70	511	501	640	628	37.5	200	18.8	
5	0.873	12	11.90	113	111	67.20	77.50	594	605	685	698	22.5	200	11.3	
6	0.873	12	11.90	113	111	67.20	77.50	594	605	685	697	22.5	200	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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 Nine Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Riasat Ali
Style Textile (Pvt.)Ltd.Lahore.(Style SAP C1 Project)

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

Client Reference: (Mughal Steel) Kraftcon
SOM Lab Ref: CED/SOM/5353(Page-11a/21)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar

Dated: 25-10-2021
Dated: 23-11-2021
Test Specification: ASTM-A 615
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	3.851	25	25.00	491	491	254.50	331.70	518	519	676	676	30.0	200	15.0	
2	3.837	25	24.95	491	489	249.00	326.70	507	510	666	669	30.0	200	15.0	
3	3.844	25	24.97	491	490	254.10	329.00	518	519	670	672	32.5	200	16.3	
4	3.853	25	25.00	491	491	252.00	330.10	513	514	672	673	30.0	200	15.0	
5	2.436	20	19.88	314	310	171.20	223.20	545	552	710	720	32.5	200	16.3	
6	2.421	20	19.82	314	308	171.00	222.00	544	555	707	720	30.0	200	15.0	
7	2.433	20	19.87	314	310	170.00	219.70	541	549	699	709	27.5	200	13.8	
8	2.439	20	19.89	314	311	172.00	224.00	547	554	713	721	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	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	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Riasat Ali

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Style Textile (Pvt.)Ltd.Lahore.(Style SAP C1 Project)

Client Reference: (Mughal Steel) Kraftcon

Dated: 25-10-2021

SOM Lab Ref: CED/SOM/5353(Page-11b/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	1.550	16	15.88	201	198	106.70	127.00	531	539	632	642	27.5	200	13.8	
2	1.600	16	16.11	201	204	119.20	142.90	593	585	711	702	30.0	200	15.0	
3	1.594	16	16.08	201	203	120.70	142.70	600	595	710	703	30.0	200	15.0	
4	1.590	16	16.06	201	203	120.00	141.70	597	593	705	700	30.0	200	15.0	
5	0.891	12	12.02	113	114	53.70	72.00	475	474	637	635	32.5	200	16.3	
6	0.865	12	11.85	113	110	50.70	68.20	448	460	603	619	27.5	200	13.8	
7	0.862	12	11.83	113	110	51.20	69.20	453	467	612	631	30.0	200	15.0	
8	0.859	12	11.80	113	109	50.20	68.20	444	459	603	624	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Engr. M Hamza Mansoor (Civil-42336)
 Style Textile (Pvt.)Ltd,Lahore.(Style Raiwind)

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

Client Reference: 0007/11/2021
SOM Lab Ref: CED/SOM/5353(Page-12/21)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar

Dated: 08-11-2021
Dated: 23-11-2021
Test Specification: ASTM-A 615
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	3.642	25	24.31	491	464	231.50	317.50	472	499	647	685	37.5	200	18.8	
2	3.644	25	24.31	491	464	232.20	318.70	473	501	649	687	32.5	200	16.3	
3	2.423	20	19.82	314	309	151.20	210.20	481	490	669	682	27.5	200	13.8	
4	2.413	20	19.78	314	307	150.20	207.50	478	489	660	675	25.0	200	12.5	
5	1.556	16	15.88	201	198	101.00	136.00	502	510	676	687	32.5	200	16.3	
6	1.580	16	16.01	201	201	103.00	137.50	512	512	684	684	30.0	200	15.0	
7	0.857	12	11.79	113	109	62.20	75.00	550	571	663	688	25.0	200	12.5	
8	0.846	12	11.71	113	108	62.70	76.50	554	583	676	711	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
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: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engr. M Hamza Mansoor (Civil-42336)
 Style Textile (Pvt.)Ltd,Lahore.(Style Raiwind)

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

Client Reference: 0069/10/2021
SOM Lab Ref: CED/SOM/5353(Page-13/21)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar

Dated: 27-10-2021
Dated: 23-11-2021
Test Specification: ASTM-A 615
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	3.758	25	24.70	491	479	248.20	330.20	506	519	673	690	37.5	200	18.8	
2	3.754	25	24.68	491	478	246.20	329.00	502	515	670	688	32.5	200	16.3	
3	2.437	20	19.88	314	310	146.70	200.50	467	473	638	646	32.5	200	16.3	
4	2.403	20	19.74	314	306	148.00	202.50	471	484	645	662	30.0	200	15.0	
5	1.564	16	15.93	201	199	94.50	124.00	470	475	617	623	30.0	200	15.0	
6	1.555	16	15.88	201	198	95.00	125.70	472	480	625	635	35.0	200	17.5	
7	0.934	12	12.31	113	119	70.00	88.50	619	589	783	744	25.0	200	12.5	
8	0.888	12	12.00	113	113	66.00	81.50	584	584	721	721	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
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: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engr. M Hamza Mansoor (Civil-42336)
Style Textile (Pvt.)Ltd,Lahore.(Style Manga)

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

Client Reference: 0011/11/2021
SOM Lab Ref: CED/SOM/5353(Page-14/21)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar

Dated: 10-11-2021
Dated: 23-11-2021
Test Specification: ASTM-A 615
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	3.760	25	24.70	491	479	249.70	327.00	509	522	666	683	32.5	200	16.3	Mughal Steel
2	3.756	25	24.68	491	479	244.00	321.20	497	510	654	672	30.0	200	15.0	Mughal Steel
3	2.607	20	20.56	314	332	173.20	223.00	551	522	710	672	30.0	200	15.0	Mughal Steel
4	2.600	20	20.54	314	331	175.20	223.50	558	529	711	675	32.5	200	16.3	Mughal Steel
5	1.622	16	16.22	201	207	93.20	129.70	464	452	645	628	37.5	200	18.8	Afco Steel
6	1.596	16	16.09	201	203	94.00	130.50	468	463	649	642	35.0	200	17.5	Afco Steel
7	0.896	12	12.05	113	114	60.00	76.20	531	526	674	668	32.5	200	16.3	Mughal Steel
8	0.894	12	12.04	113	114	61.00	77.50	539	536	685	681	25.0	200	12.5	Mughal Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
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: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engr. M Hamza Mansoor (Civil-42336)
Style Textile (Pvt.)Ltd,Lahore.(Style SAP)

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

Client Reference: 0008/11/2021
SOM Lab Ref: CED/SOM/5353(Page-15a/21)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar (Mughal Steel)

Dated: 10-11-2021
Dated: 23-11-2021
Test Specification: ASTM-A 615
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	3.853	25	25.00	491	491	253.20	326.20	516	516	665	665	42.5	200	21.3	
2	3.861	25	25.02	491	492	255.00	328.50	519	519	669	668	35.0	200	17.5	
3	3.847	25	24.98	491	490	253.00	327.00	515	517	666	668	37.5	200	18.8	
4	3.868	25	25.05	491	493	254.00	330.00	517	516	672	670	35.0	200	17.5	
5	2.494	20	20.11	314	318	168.70	214.70	537	532	683	676	32.5	200	16.3	
6	2.429	20	19.85	314	309	168.70	215.00	537	546	684	695	35.0	200	17.5	
7	2.482	20	20.06	314	316	169.00	215.50	538	535	686	682	37.5	200	18.8	
8	2.487	20	20.09	314	317	169.20	214.70	539	535	683	678	35.0	200	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	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	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Engr. M Hamza Mansoor (Civil-42336)
Style Textile (Pvt.)Ltd,Lahore.(Style SAP)

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

Client Reference: 0008/11/2021
SOM Lab Ref: CED/SOM/5353(Page-15b/21)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar (Mughal Steel)

Dated: 10-11-2021
Dated: 23-11-2021
Test Specification: ASTM-A 615
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	1.554	16	15.88	201	198	105.50	134.20	525	533	667	678	32.5	200	16.3	
2	1.562	16	15.92	201	199	106.00	135.00	527	533	671	679	32.5	200	16.3	
3	1.547	16	15.84	201	197	106.00	135.20	527	538	672	687	32.5	200	16.3	
4	1.546	16	15.83	201	197	106.20	136.00	528	540	676	691	35.0	200	17.5	
5	0.909	12	12.14	113	116	60.20	76.00	532	520	672	657	32.5	200	16.3	
6	0.901	12	12.09	113	115	59.20	76.00	523	516	672	663	30.0	200	15.0	
7	0.910	12	12.15	113	116	59.50	76.20	526	514	674	658	27.5	200	13.8	
8	0.908	12	12.13	113	116	60.00	76.00	531	519	672	658	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Riasat Ali
Style Textile (Pvt.)Ltd.Lahore(Style C1 SAP Project)

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

Client Reference: Mughal Steel (KRAFTCON)
SOM Lab Ref: CED/SOM/5353(Page-16/21)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar

Dated: 05-11-2021
Dated: 23-11-2021
Test Specification: ASTM-A 615
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	0.620	10	10.03	79	79	43.00	52.50	547	545	668	665	25.0	200	12.5	
2	0.616	10	9.99	79	78	42.00	51.70	535	536	658	660	25.0	200	12.5	
3	0.625	10	10.07	79	80	43.50	52.00	554	547	662	654	22.5	200	11.3	
4	0.619	10	10.02	79	79	43.20	52.20	550	548	665	662	22.5	200	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

10mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
10mm	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

Riasat Ali
Style Textile (Pvt.)Ltd.Lahore(Style SAP C1 Project)

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

Client Reference: Naveena Steel (KRAFTCON)

Dated: 08-10-2021

SOM Lab Ref: CED/SOM/5353(Page-17/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	0.616	10	10.03	79	79	44.00	53.50	560	557	681	678	27.5	200	13.8	
2	0.608	10	9.93	79	77	45.50	56.50	579	588	719	730	25.0	200	12.5	
3	0.632	10	10.13	79	81	46.00	57.50	586	571	732	714	22.5	200	11.3	
4	0.626	10	10.07	79	80	47.70	58.20	607	599	741	731	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

10mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
10mm	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

Riasat Ali
 Style Textile (Pvt.)Ltd.Lahore(Style C1 SAP Project)

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

Client Reference: Mughal Steel (KRAFTCON)
SOM Lab Ref: CED/SOM/5353(Page-18/21)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar

Dated: 05-11-2021
Dated: 23-11-2021
Test Specification: ASTM-A 615
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	0.616	10	10.03	79	79	44.20	57.80	563	560	736	732	25.0	200	12.5	
2	0.610	10	9.95	79	78	44.70	56.70	569	576	722	730	22.5	200	11.3	
3	0.622	10	10.04	79	79	43.70	55.50	556	552	707	701	25.0	200	12.5	
4	0.604	10	9.90	79	77	48.00	55.70	611	624	709	725	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

10mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
10mm	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

Riasat Ali

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Style Textile (Pvt.)Ltd.Lahore(Style SAP P3 Project)

Client Reference: (Afco Steel) ASE

Dated: 08-10-2021

SOM Lab Ref: CED/SOM/5353(Page-19/21)

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	0.600	10	9.84	79	76	48.70	57.20	620	641	728	753	20.0	200	10.0	
2	0.598	10	9.85	79	76	40.00	49.20	509	526	626	647	25.0	200	12.5	
3	0.604	10	9.90	79	77	37.70	48.20	480	490	614	626	27.5	200	13.8	
4	0.604	10	9.90	79	77	41.20	50.50	525	536	643	656	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

10mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Six Samples Received and Tested</p>
10mm	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

Riasat Ali
Style Textile (Pvt.)Ltd.Lahore(Style SAP C1 Project)

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

Client Reference: (Mughal Steel) Kraftcon
SOM Lab Ref: CED/SOM/5353(Page-20/21)

Dated: 08-10-2021
Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	0.620	10	10.03	79	79	44.00	55.20	560	557	703	699	25.0	200	12.5	
2	0.610	10	9.95	79	78	49.70	52.70	633	640	671	679	27.5	200	13.8	
3	0.617	10	10.01	79	79	43.50	55.20	554	554	703	702	27.5	200	13.8	
4	0.612	10	9.96	79	78	43.20	54.20	550	555	690	696	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

10mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
10mm	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. M Hamza Mansoor (Civil-42336)
 Style Textile (Pvt.)Ltd.Lahore(Style Manga)

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

Client Reference: 0011/11/201
SOM Lab Ref: CED/SOM/5353(Page-21/21)

Dated: 10-11-2021

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	0.629	10	10.09	79	80	40.00	50.50	509	500	643	632	27.5	200	13.8	
2	0.622	10	10.04	79	79	41.00	51.70	522	518	658	653	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

10mm	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. Muhammad Imran

Test Performed By: Dr. /Engr. Asad Ghalani

ARE ECSP(Prov.of Clean Drinking Water By PUNJAN AAB-E-PAK Authority TribalArea DG Khan)

Client Reference: ECSP-PAPA/SOUTH-DGK/ARE/01

SOM Lab

Ref: 5343(Page-1/1)

Dated: 18-10-2021

Dated: 23-11-2021

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	0.600	4	0.473	0.20	0.176	6.32	7.75	69700	79200	85430	97080	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

# 4	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

Gai Xiqiang

Test Performed By:

Dr. /Engr. Asad Ghalani

PM NEPC II (Transmission Line From Suki Kinari Hyd.Power station to Neelum Jhelum 500Kv)

Client Reference: DD-401A-FA-728

SOM Lab

Ref:

5344(Page-1/1)

Dated: 22-11-2021

Dated:

23-11-2021

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	1.438	6	0.734	0.44	0.423	11.98	18.93	60040	62450	94880	98700	1.20	8.0	15.0	
2	1.440	6	0.734	0.44	0.423	12.08	18.98	60550	62980	95140	98960	1.40	8.0	17.5	
3	1.433	6	0.732	0.44	0.421	11.90	18.73	59630	62320	93860	98100	1.30	8.0	16.3	
4	1.425	6	0.730	0.44	0.419	12.03	18.73	60290	63320	93860	98570	1.40	8.0	17.5	
5	1.469	6	0.742	0.44	0.432	13.37	21.02	67040	68280	105360	107310	1.20	8.0	15.0	
6	1.453	6	0.737	0.44	0.427	12.76	20.69	63970	65920	103720	106880	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Witnessed By:

Sohaib Ali (NespaK)

BEND TEST:

8

Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Nine Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Gai Xiqiang

Test Performed By:

Dr. /Engr. Asad Ghalani

PM NEPC II (Transmission Line From Suki Kinari Hyd.Power station to Neelum Jhelum 500Kv)

Client Reference: DD-401A-FA-728

SOM Lab

Ref: 5344(Page-1/1)

Dated: 22-11-2021

Dated: 23-11-2021

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	1.438	6	0.734	0.44	0.423	11.98	18.93	60040	62450	94880	98700	1.20	8.0	15.0	
2	1.440	6	0.734	0.44	0.423	12.08	18.98	60550	62980	95140	98960	1.40	8.0	17.5	
3	1.433	6	0.732	0.44	0.421	11.90	18.73	59630	62320	93860	98100	1.30	8.0	16.3	
4	1.425	6	0.730	0.44	0.419	12.03	18.73	60290	63320	93860	98570	1.40	8.0	17.5	
5	1.469	6	0.742	0.44	0.432	13.37	21.02	67040	68280	105360	107310	1.20	8.0	15.0	
6	1.453	6	0.737	0.44	0.427	12.76	20.69	63970	65920	103720	106880	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Witnessed By:

Sohaib Ali (NespaK)

BEND TEST:

8

Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Nine Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Maj Dy Dir MTL(Adnan Khalid R)

Test Performed By:

Dr. /Engr.

Asad Ghalani

DHA Lahore,(18 Green Apartment Complex DRGCC DHA Ph-VI)(M/s Construct)

Client Reference: 408/241/Estb/Lab/166/17

SOM Lab

Ref:

5346(Page-1/1)

Dated: 22-11-2021

Dated:

23-11-2021

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	0.659	4	0.497	0.20	0.194	6.10	8.20	67220	69300	90380	93170	1.20	8.0	15.0	
2	0.653	4	0.494	0.20	0.192	5.99	8.49	66100	68850	93640	97540	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Engr. Navved Sadiq
 RE Orbit Developers,(The Springs Apartment Homes)

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: Nil

SOM Lab

Ref: 5347(Page-1/1)

Dated: 23-11-2021

Dated: 23-11-2021

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	2.671	8	1.000	0.79	0.785	24.50	36.30	68390	68820	101340	101990	1.40	8.0	17.5	
2	2.681	8	1.002	0.79	0.788	23.50	32.79	65600	65760	91550	91780	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

PE, Muhammad Zahid Hussain
 DHA Lahore, (Const of SM Barrack-2 Sec S Ph-II, DHA Lahore)

Test Performed By: Dr. /Engr. Asad Ghalani

Client Reference: Lab Testing Steel/Maint

SOM Lab

Ref: 5348(Page-1/1)

Dated: 11-11-2021

Dated: 23-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AF Steel)

ASTM-A-615

Deformed Bar (AF 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	0.663	4	0.498	0.20	0.195	7.24	9.48	79810	81860	104540	107220	1.10	8.0	13.8	
2	0.665	4	0.498	0.20	0.195	7.14	9.33	78690	80710	102860	105490	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Iftikhar Ahmad

Test Performed By:

Dr. /Engr. Asad Ghalani

Sofi City Lahore,(Building Project at Sofi City,Mandi Bahauddin)

Client Reference: Nil

SOM Lab

Ref: 5351(Page-1/1)

Dated: 23-11-2021

Dated: 23-11-2021

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	1.262	6	0.687	0.44	0.371	12.10	20.82	60650	71930	104340	123740	1.00	8.0	12.5	
2	0.567	4	0.461	0.20	0.167	4.84	7.65	53400	63950	84310	100970	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Khalid Bashir

Test Performed By:

Dr. /Engr. Asad Ghalani

Ittfaq Building Solution (Pvt.)Ltd. (Sapphire Diamond Ferozwatwan)

Client Reference: IBS/SD/ST12

SOM Lab

Ref: 5352(Page-1/1)

Dated: 23-11-2021

Dated: 23-11-2021

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	2.685	8	1.002	0.79	0.789	27.95	36.41	78030	78130	101650	101780	1.00	8.0	12.5	
2	2.630	8	0.992	0.79	0.773	27.54	35.63	76900	78590	99460	101650	1.40	8.0	17.5	
3	1.510	6	0.752	0.44	0.444	18.55	23.45	92990	92160	117520	116460	0.70	8.0	8.8	
4	1.510	6	0.752	0.44	0.444	18.76	24.16	94020	93170	121100	120000	0.70	8.0	8.8	
5	0.666	4	0.500	0.20	0.196	7.65	9.58	84310	86030	105670	107820	0.90	8.0	11.3	
6	0.648	4	0.492	0.20	0.190	6.52	8.26	71940	75730	91050	95840	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