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

Director Projects, Sheikhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: **Nil** **Dated :** **20-07-2023**

SOM Lab Ref: **CED/SOM/2611(Page-1a/1)** **Dated :** **21-07-2023**

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

Sample Type: **Deformed Bar (Sheikhoo 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	0.882	12	11.94	113	112	56.50	76.50	500	505	676	684	32.5	200	16.3	R-353
2	0.881	12	11.95	113	112	55.50	75.20	491	495	665	671	32.5	200	16.3	R-354
3	0.880	12	11.95	113	112	54.70	76.50	484	488	676	683	32.5	200	16.3	R-355
4	0.887	12	11.99	113	113	57.70	77.20	510	511	683	684	30.0	200	15.0	R-356
5	0.882	12	11.96	113	112	58.70	78.00	519	523	690	695	30.0	200	15.0	R-357
6	0.886	12	11.99	113	113	57.70	78.50	510	512	694	696	35.0	200	17.5	R-358
7	0.884	12	11.97	113	113	55.70	79.00	492	495	699	702	32.5	200	16.3	R-359
8	0.884	12	11.98	113	113	55.00	76.70	486	489	678	681	30.0	200	15.0	R-360
9	0.885	12	11.98	113	113	54.00	77.20	477	479	683	685	35.0	200	17.5	R-361
10	0.882	12	11.96	113	112	56.00	75.50	495	499	668	673	37.5	200	18.8	R-362

BEND TEST:

--	No Bend test performed

Note:-

Only Ten Samples Received and Tested

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

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

Director Projects, Sheikhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil **Dated :** 20-07-2023

SOM Lab Ref: CED/SOM/2611(Page-1b/1) **Dated :** 21-07-2023

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

Sample Type: Deformed Bar (Sheikhoo 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	0.888	12	12.00	113	113	55.70	78.00	492	493	690	691	35.0	200	17.5	R-363
2	0.893	12	12.04	113	114	55.20	78.70	488	486	696	692	32.5	200	16.3	R-364
3	0.873	12	11.90	113	111	53.00	74.70	469	477	660	672	32.5	200	16.3	R-365
4	0.882	12	11.96	113	112	53.20	74.70	470	474	660	665	35.0	200	17.5	R-366
5	0.873	12	11.90	113	111	56.20	77.20	497	506	683	694	27.5	200	13.8	R-369
6	0.879	12	11.94	113	112	56.00	78.70	495	500	696	703	30.0	200	15.0	R-370
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed

Note:-

Only Six Samples Received and Tested

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

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

Director Projects, Sheikhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: **Nil** **Dated :** **19-07-2023**

SOM Lab Ref: **CED/SOM/2611(Page-2/2)** **Dated :** **21-07-2023**

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

Sample Type: **Deformed Bar (Sheikhoo 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	1.555	16	15.88	201	198	97.70	131.20	486	494	653	663	32.5	200	16.3	R-238
2	1.554	16	15.88	201	198	97.50	134.20	485	493	667	678	32.5	200	16.3	R-342
3	1.562	16	15.92	201	199	98.20	136.00	488	494	676	684	30.0	200	15.0	R-343
4	1.561	16	15.91	201	199	100.20	136.00	498	504	676	684	30.0	200	15.0	R-344
5	1.574	16	15.98	201	200	99.70	140.00	496	498	696	699	30.0	200	15.0	R-345
6	1.566	16	15.94	201	199	99.20	136.20	493	498	677	683	32.5	200	16.3	R-347
7	1.565	16	15.93	201	199	97.00	135.00	482	487	671	678	37.5	200	18.8	R-348
8	1.555	16	15.88	201	198	94.00	133.00	468	475	661	672	37.5	200	18.8	R-349
9	1.516	16	15.68	201	193	97.50	135.50	485	505	674	702	35.0	200	17.5	R-350
10	1.513	16	15.67	201	193	95.20	135.20	473	494	672	702	37.5	200	18.8	R-351

BEND TEST:

--	No Bend test performed

Note:-

Only Ten Samples Received and Tested

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

Engr Shahzad Khurram Khan **Test Performed By:** **Dr. /Engr. Waseem Abbas**
CRE Osmani & Compny (Pvt) Ltd.(Const Of Sewer & W/Supply Networks at Main Arterial Chiniot)

Client Reference: **CRE/AIIC-06/Lab/457** **SOM Lab Ref:** **2606 (Page-1/1)**
Dated: **20-07-2023** **Dated:** **21-07-2023**
Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615**
Gauge Length: **8 inch** **Sample Type:** **Deformed Bar (Kamran Steel)**

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.500	6	0.749	0.44	0.441	13.86	19.67	69490	69330	98610	98390	1.30	8.0	16.3	
2	1.503	6	0.750	0.44	0.442	14.02	19.64	70260	69940	98460	98020	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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

Asst Dir Infra. DHA Gujranwala.(OHWT Executive Block)

Client Reference: **111/15/AD/RS/Lab/OHWT-EB/07** **SOM Lab Ref:** **2607 (Page-1/2)**

Dated: **19-07-2023** **Dated:** **21-07-2023**

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

Gauge Length: **8 inch** **Sample Type:** **Deformed Bar (Siraj 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	2.641	8	0.994	0.79	0.776	22.96	37.16	64090	65250	103730	105600	1.40	8.0	17.5	
2	2.677	8	1.001	0.79	0.787	22.22	33.89	62040	62280	94620	94980	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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

Asst Dir Infra. DHA Gujranwala.(Sec C)

Client Reference: **111/15/AD/RS/Lab/Pkg-2A/1518** **SOM Lab Ref:** **2607 (Page-2/2)**

Dated: **19-07-2023** **Dated:** **21-07-2023**

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

Gauge Length: **8 inch** **Sample Type:** **Deformed Bar (Siraj 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	0.672	4	0.501	0.20	0.197	7.00	8.99	77230	78400	99150	100660	1.30	8.0	16.3	
2	0.664	4	0.498	0.20	0.195	6.98	8.92	77000	78980	98360	100880	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Kashif-Ul-Haq ,RE **Test Performed By:** **Dr. /Engr.** **Asad Ali Gillani**

G3 Engg Consult.(Project: Strengthening & Expansion Of Uni of Gujrat & Allied Campus Narowal)

Client Reference: **G3/UON-RE/330-S-1** **SOM Lab Ref:** **2609 (Page-1/2)**

Dated: **19-06-2023** **Dated:** **21-07-2023**

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

Gauge Length: **8 inch** **Sample Type:** **Deformed Bar (Moiz 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	2.637	8	0.993	0.79	0.775	23.14	34.12	64600	65850	95250	97090	1.40	8.0	17.5	
2	1.493	6	0.748	0.44	0.439	13.66	19.24	68470	68630	96420	96640	1.30	8.0	16.3	
3	0.588	4	0.469	0.20	0.173	5.37	7.70	59240	68490	84870	98120	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

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

Kashif-Ul-Haq ,RE **Test Performed By:** **Dr. /Engr.** **Asad Ali Gillani**

G3 Engg Consult.(Project: Strengthening & Expansion Of Uni of Gujrat & Allied Campus Narowal)

Client Reference: **G3/UON-RE/330** **SOM Lab Ref:** **2609 (Page-2/2)**

Dated: **19-06-2023** **Dated:** **21-07-2023**

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

Gauge Length: **8 inch** **Sample Type:** **Deformed Bar (Sheikhoo 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	1.555	6	0.763	0.44	0.457	13.32	19.47	66780	64300	97590	93960	1.60	8.0	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	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

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

SE Sitara Heights.(Project "Sitara Serena Tower 62D,Gulberg 3 Lahore)

Client Reference: **SHPL/Sitara Serena Tower/LHR/18** **SOM Lab Ref:** **2610 (Page-1/1)**

Dated: **21-07-2023** **Dated:** **21-07-2023**

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	2.676	8	1.000	0.79	0.786	24.97	35.98	69720	70080	100460	100970	1.20	8.0	15.0	
2	2.678	8	1.001	0.79	0.787	25.08	35.93	70010	70280	100320	100700	1.30	8.0	16.3	
3	1.487	6	0.746	0.44	0.437	15.01	19.83	75210	75730	99380	100060	1.40	8.0	17.5	
4	1.476	6	0.743	0.44	0.434	14.83	19.52	74350	75370	97850	99200	1.20	8.0	15.0	
5	0.674	4	0.502	0.20	0.198	6.34	8.46	69920	70630	93300	94240	1.30	8.0	16.3	
6	0.673	4	0.502	0.20	0.198	6.39	8.56	70480	71190	94420	95380	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Note:-

Only Nine Samples Received and Tested

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

Imran Qamar
H.No.5 Burj City Lahore Cantt.

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

Client Reference: **Nil**
Dated: **21-07-2023**

SOM Lab Ref: **2612 (Page-1/1)**
Dated: **21-07-2023**

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	2.649	8	0.995	0.79	0.778	22.07	32.42	61610	62560	90500	91890	1.50	8.0	18.8	
2	2.642	8	0.994	0.79	0.776	21.78	31.98	60820	61910	89270	90880	1.60	8.0	20.0	
3	1.517	6	0.754	0.44	0.446	16.53	20.39	82880	81760	102190	100820	1.20	8.0	15.0	
4	1.522	6	0.754	0.44	0.447	16.82	20.51	84310	82990	102800	101190	1.10	8.0	13.8	
5	0.665	4	0.498	0.20	0.195	5.32	7.97	58680	60180	87910	90160	1.30	8.0	16.3	
6	0.662	4	0.498	0.20	0.195	5.32	8.00	58680	60180	88240	90510	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Note:-

Only Nine Samples Received and Tested

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

Sheikh Maqbool, RE **Test Performed By:** **Dr. /Engr.** **Asad Ali Gillani**

Nespak Lahore.(Const Of 8-Lane overhead Bridge at Imamia Colony Railway crossing Shahdra)

Client Reference: **RE/SA-543/MH/02/Lab/06** **SOM Lab Ref:** **2613 (Page-1/1)**

Dated: **11-07-2023** **Dated:** **21-07-2023**

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

Gauge Length: **8 inch** **Sample Type:** **Deformed Bar (FF Steel)**

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.695	8	1.004	0.79	0.792	25.76	33.79	71920	71730	94340	94100	1.50	8.0	18.8	
2	2.654	8	0.997	0.79	0.780	25.56	33.49	71350	72260	93490	94680	1.40	8.0	17.5	
3	0.672	4	0.501	0.20	0.197	6.65	8.97	73290	74410	98920	100430	1.30	8.0	16.3	
4	0.685	4	0.506	0.20	0.201	6.44	8.97	71040	70690	98920	98430	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Note:-

Only Six Samples Received and Tested

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

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

Manager Construction Beaconhouse School system.(Const at Hafizabad)

Client Reference: **Nil** **SOM Lab Ref:** **2614 (Page-1/1)**

Dated: **20-07-2023** **Dated:** **21-07-2023**

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	2.640	8	0.994	0.79	0.776	23.85	33.56	66590	67800	93680	95380	1.50	8.0	18.8	
2	1.515	6	0.753	0.44	0.445	13.78	19.34	69080	68310	96930	95840	1.30	8.0	16.3	
3	0.596	4	0.472	0.20	0.175	5.56	7.34	61270	70020	80940	92500	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Note:-

Only Six Samples Received and Tested

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

Test Performed by: Dr Waseem Abbas

Muhammad Irfan
Engineer Asst Dir Infra DHA Gujranwala.
(Package 1A)

Client Reference: 111/15/AD/RS/Lab/Pkg-1A/847 **Dated: 17-07-2023**
SOM Laboratory Reference: CED/SOM/2608(Page-1/1) **Dated: 21-07-2023**
Test: Compressive Strength Test
Sample Type: CAT – EYES
Test Specification: ASTM-D4280

Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	Cat-Eyes Yellow	70.4 x 44.4	101.0 x 89.0	15.4	31.37^{o}	14852

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