

Aamir Shahzad
Alvi

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

PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Client Reference: QC/HQ/CIVIL/116

Dated : 24-07-2023

SOM Lab Ref: CED/SOM/2618(Page-1/1)

Dated : 24-07-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 m

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	m	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	3.836	25	24.95	491	489	262.00	336.20	534	536	685	688	32.5	200	16.3	
2	3.836	25	24.95	491	489	238.70	315.50	486	489	643	646	37.5	200	18.8	
3	2.479	20	20.05	314	316	160.20	216.50	510	508	689	686	32.5	200	16.3	
4	2.527	20	20.25	314	322	165.70	222.20	527	515	707	691	35.0	200	17.5	
5	1.549	16	15.85	201	197	96.00	127.70	477	487	635	648	32.5	200	16.3	
6	1.549	16	15.85	201	197	100.50	131.70	500	510	655	668	30.0	200	15.0	
7	0.994	12	12.70	113	127	58.20	75.70	515	460	669	598	30.0	200	15.0	
8	1.000	12	12.74	113	127	59.50	76.00	526	468	672	597	27.5	200	13.8	
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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

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 : 21-07-2023

SOM Lab Ref: CED/SOM/2619(Page-1a/1) Dated : 24-07-2023

Test: Tension Test & Bend Test Test Specification: ASTM-A 615
 Sample Deformed Bar (Sheikhoo Type: Steel) Gauge Length: 200 m

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	m	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	0.887	12	12.00	113	113	55.50	76.00	491	492	672	673	32.5	200	16.3	R-372
2	0.902	12	12.09	113	115	57.50	75.20	508	501	665	655	32.5	200	16.3	R-374
3	0.885	12	11.98	113	113	53.50	73.20	473	475	647	650	30.0	200	15.0	R-375
4	0.893	12	12.04	113	114	54.00	76.20	477	475	674	670	35.0	200	17.5	R-376
5	0.887	12	11.99	113	113	55.20	77.00	488	489	681	682	32.5	200	16.3	R-377
6	0.893	12	12.04	113	114	53.00	74.20	469	466	656	653	30.0	200	15.0	R-378
7	0.895	12	12.05	113	114	53.70	74.50	475	471	659	654	30.0	200	15.0	R-379
8	0.895	12	12.05	113	114	55.00	76.20	486	483	674	669	32.5	200	16.3	R-380
9	0.898	12	12.07	113	114	59.70	77.50	528	522	685	678	30.0	200	15.0	R-381
10	0.900	12	12.08	113	115	53.70	74.70	475	469	660	652	32.5	200	16.3	R-382

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 : 21-07-2023

SOM Lab Ref: CED/SOM/2619(Page-1b/1) Dated : 24-07-2023

Test: Tension Test & Bend Test Test Specification: ASTM-A 615
 Sample Deformed Bar (Sheikhoo Type: Steel) Gauge Length: 200 m

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	m	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	0.887	12	12.00	113	113	54.50	76.70	482	483	678	679	35.0	200	17.5	R-383
2	0.902	12	12.09	113	115	55.20	77.50	488	481	685	675	35.0	200	17.5	R-384
3	0.885	12	11.98	113	113	54.00	76.50	477	479	676	679	35.0	200	17.5	R-385
4	0.893	12	12.04	113	114	55.00	74.00	486	484	654	651	32.5	200	16.3	R-386
5	0.887	12	11.99	113	113	56.00	75.00	495	496	663	665	27.5	200	13.8	R-387
6	0.893	12	12.04	113	114	54.70	75.00	484	481	663	660	35.0	200	17.5	R-388
7	0.895	12	12.05	113	114	57.00	75.50	504	500	668	663	32.5	200	16.3	R-399
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BEND TEST:

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

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

Muhammad Ramzan
Lahore

Test Performed By: Dr. /Engr. Waseem Abbas

Client Reference: Nil

Dated: 24-07-2023

Test: Tension Test & Bend Test Test Specification:

Gauge Length: 8 inch

Sample Type:

SOM Lab

Ref: 2615 (Page-1/1)

Dated: 24-07-2023

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	2.625	8	0.991	0.79	0.771	25.64	34.56	71570	73340	96470	98850	1.10	8.0	13.8	
2	1.502	6	0.749	0.44	0.441	14.63	19.39	73320	73160	97180	96960	1.30	8.0	16.3	
3	0.664	4	0.498	0.20	0.195	5.12	7.03	56430	57880	77560	79550	1.20	8.0	15.0	
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BEND TEST:

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

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

Sub Divisional officer,

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

BSD No.1 Multan.(Const Of Parking Plaza at Distt Head Quarter Multan)

Client Reference: **8316/1st**

Dated: **10-05-2023**

Test: **Tension Test & Bend Test** Test Specification:

Gauge Length: **8 inch**

SOM Lab

Ref: **2616 (Page-1/1)**

Dated: **24-07-2023**

ASTM-A-615
Deformed Bar (Sheikhu Steel)

Sample Type:

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	2.596	8	0.986	0.79	0.763	24.01	32.87	67020	69390	91780	95030	1.50	8.0	18.8	
2	2.585	8	0.984	0.79	0.760	24.06	32.93	67160	69810	91920	95550	1.40	8.0	17.5	
3	1.497	6	0.748	0.44	0.440	13.66	19.03	68470	68470	95400	95400	1.40	8.0	17.5	
4	1.495	6	0.748	0.44	0.439	13.68	18.76	68570	68730	94020	94230	1.50	8.0	18.8	
5	0.660	4	0.497	0.20	0.194	6.73	8.84	74190	76490	97460	100470	1.50	8.0	18.8	
6	0.664	4	0.498	0.20	0.195	6.85	8.89	75540	77480	98020	100530	1.20	8.0	15.0	
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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

Meezan Developers
Lahore

Test Performed By:

Dr. /Engr. Waseem Abbas

Client Reference: Nil

Dated: 24-07-2023

Test: Tension Test & Bend Test Test Specification:

Gauge Length: 8 inch

Sample Type:

SOM Lab

Ref: 2617 (Page-1/1)

Dated: 24-07-2023

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	2.637	8	0.993	0.79	0.775	27.59	35.07	77040	78530	97900	99790	1.40	8.0	17.5	
2	2.634	8	0.993	0.79	0.774	27.54	34.98	76900	78480	97670	99690	1.40	8.0	17.5	
3	1.486	6	0.746	0.44	0.437	14.90	18.93	74700	75220	94880	95540	1.50	8.0	18.8	
4	1.479	6	0.744	0.44	0.435	14.88	18.76	74600	75460	94020	95100	1.50	8.0	18.8	
5	0.650	4	0.493	0.20	0.191	6.44	8.53	71040	74390	94090	98520	1.10	8.0	13.8	
6	0.658	4	0.496	0.20	0.193	6.39	8.48	70480	73040	93530	96920	1.00	8.0	12.5	
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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

Muhammad Aman Ullah,RE

Nespak Lhr.(Const Of Bridge at Butcher Khana Distributary Along Chenab Rd LDA City H/Scheme)

Test Performed By: Dr./Engr. Waseem Abbas

Client Reference: 4047/13/MA/09/03

Dated: 18-07-2023

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2620 (Page-1/1)

Dated: 24-07-2023

ASTM-A-615
Deformed Bar (SJ
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	2.602	8	0.987	0.79	0.765	23.55	32.95	65740	67890	91980	94980	1.40	8.0	17.5	
2	2.594	8	0.985	0.79	0.762	23.75	33.20	66310	68750	92690	96090	1.50	8.0	18.8	
3	0.670	4	0.501	0.20	0.197	6.63	8.66	73070	74180	95550	97000	1.20	8.0	15.0	
4	0.671	4	0.501	0.20	0.197	6.60	8.66	72730	73840	95550	97000	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
# 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