

Majeed Associates (Pvt) Ltd.
Allied Bank Johar Town Lahore)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

Dated : 03-08-2023

SOM Lab Ref: CED/SOM/2647(Page-1/1)

Dated : 03-08-2023

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	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	3.967	25	25.36	491	505	298.20	373.50	607	591	761	740	27.5	200	13.8	
2	3.984	25	25.42	491	507	289.70	365.00	590	571	744	720	30.0	200	15.0	
3	2.213	20	18.95	314	282	140.00	191.50	446	497	610	680	35.0	200	17.5	
4	2.205	20	18.91	314	281	142.20	189.00	453	507	602	673	32.5	200	16.3	
5	1.055	12	13.08	113	134	70.00	86.50	619	521	765	644	30.0	200	15.0	
6	1.067	12	13.15	113	136	71.20	87.70	630	524	775	646	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
20mm	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. Naveed Sadiq
RE Orbit Housing.Lahore.(The Springs Apartment Homes)

Test Performed By: Dr. /Engr. Waseem Abbas

Client Reference: Nil

Dated: 03-08-2023

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2648 (Page-1/1)

Dated: 03-08-2023

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	2.627	8	0.991	0.79	0.772	25.35	33.94	70780	72430	94770	96980	1.30	8.00	16.3	
2	2.632	8	0.992	0.79	0.773	25.50	34.35	71200	72770	95900	98010	1.30	8.00	16.3	
3	1.510	6	0.752	0.44	0.444	15.92	21.78	79810	79090	109190	108210	1.20	8.00	15.0	
4	1.527	6	0.756	0.44	0.449	15.67	21.38	78530	76960	107150	105000	1.20	8.00	15.0	
5	0.662	4	0.498	0.20	0.195	6.83	9.02	75320	77250	99480	102030	1.10	8.00	13.8	
6	0.662	4	0.498	0.20	0.195	6.85	8.99	75540	77480	99150	101690	1.10	8.00	13.8	
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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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector K)

Test Performed By: Dr. /Engr. Waseem Abbas

Client Reference: 111/15/AD/RS/Lab/Sec-K/345

SOM Lab

Ref: 2649 (Page-1/1)

Dated: 01-08-2023

Dated: 03-08-2023

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	2.70 5	8	1.00 6	0.7 9	0.79 5	23.01	36.21	64230	63830	10108 0	10045 0	1.3 0	8. 0	16. 3	
2	2.70 2	8	1.00 5	0.7 9	0.79 4	23.98	37.43	66940	66600	10450 0	10397 0	1.4 0	8. 0	17. 5	
3	0.71 5	4	0.51 7	0.2 0	0.21 0	5.88	8.84	64860	61770	97460	92820	1.2 0	8. 0	15. 0	
4	0.71 6	4	0.51 7	0.2 0	0.21 0	5.83	8.79	64300	61240	96900	92280	1.3 0	8. 0	16. 3	
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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

Sadaqat Ahmad,RE

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Nespak Lahore.(University Of Child Health Sciences Lahore)

Client Reference: 4598/13/SA/09/044

SOM Lab

Ref: 2650 (Page-1/1)

Dated: 02-08-2023

Dated: 03-08-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Batala Gold)

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	1.476	6	0.743	0.44	0.434	11.93	19.49	59780	60610	97690	99050	1.40	8.0	17.5	
2	1.406	6	0.725	0.44	0.413	11.52	18.20	57740	61510	91210	97170	1.40	8.0	17.5	
3	0.662	4	0.498	0.20	0.195	6.54	8.82	72170	74020	97230	99730	1.50	8.0	18.8	
4	0.661	4	0.497	0.20	0.194	5.98	9.40	65990	68030	103640	106850	1.40	8.0	17.5	
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BEND TEST:

# 6	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

Kamran Tahir Sandhu, ME
Planning Branch DHA Multan.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 701/92/Planning/DHA

SOM Lab

Ref: 2651 (Page-1/1)

Dated: 02-08-2023

Dated: 03-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Union 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	2.688	8	1.003	0.79	0.790	27.27	35.63	76130	76130	99460	99460	1.30	8.0	16.3	517
2	2.658	8	0.997	0.79	0.781	27.37	35.47	76410	77290	99030	100180	1.30	8.0	16.3	511
3	1.512	6	0.752	0.44	0.444	15.24	18.73	76390	75700	93860	93020	1.40	8.0	17.5	706
4	1.518	6	0.754	0.44	0.446	15.51	19.06	77770	76720	95550	94260	1.50	8.0	18.8	707
5	0.673	4	0.502	0.20	0.198	6.83	9.12	75320	76080	100610	101620	1.20	8.0	15.0	311
6	0.667	4	0.500	0.20	0.196	6.70	8.74	73850	75360	96340	98300	1.10	8.0	13.8	302
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Witnessed By: Kamran Tahir (ME.DHAM)

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

Professional Const.Services
Lahore.(TCF Secondary School at Chak # 373 E.B,Burewala)

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

Client Reference: PCS/23/Eng-92-A

SOM Lab

Ref: 2652 (Page-1/3)

Dated: 03-08-2023

Dated: 03-08-2023

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	0.650	4	0.493	0.20	0.191	7.31	9.04	80600	84400	99710	104410	1.10	8.00	13.8	
2	0.653	4	0.494	0.20	0.192	6.49	8.26	71610	74590	91050	94850	1.20	8.00	15.0	
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BEND TEST:

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

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

Professional Const.Services
Lahore.(TCF Secondary School at Chak # 373 E.B,Burewala)

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

Client Reference: PCS/23/Eng-92-B

SOM Lab

Ref: 2652 (Page-2/3)

Dated: 03-08-2023

Dated: 03-08-2023

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	1.458	6	0.738	0.44	0.428	14.50	18.40	72660	74700	92230	94810	1.20	8.00	15.00	
2	1.479	6	0.744	0.44	0.435	13.58	17.71	68060	68840	88750	89770	1.30	8.00	16.33	
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BEND TEST:

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

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

Professional Const.Services
Lahore.(TCF Secondary School at Chak # 373 E.B,Burewala)

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

Client Reference: PCS/23/Eng-92-C

SOM Lab

Ref: 2652 (Page-3/3)

Dated: 03-08-2023

Dated: 03-08-2023

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	2.683	8	1.002	0.79	0.788	29.48	35.17	82300	82510	98180	98430	1.30	8.0	16.3	
2	2.678	8	1.001	0.79	0.787	30.19	35.75	84290	84620	99800	100180	1.40	8.0	17.5	
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BEND TEST:

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

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

Rana Jahangir (RE)

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

New Vision Engg Consultant Site Office DHAB.(Civil Infra Dev Works For Sec-F DHAB)

Client Reference: RE/NVEC/Site/Sec-F/Extn/245

SOM Lab

Ref: 2653 (Page-1/1)

Dated: 24-07-2023

Dated: 03-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed Bar (AF

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	1.503	6	0.750	0.44	0.442	14.32	19.39	71790	71470	97180	96740	1.10	8.00	13.8	
2	1.502	6	0.749	0.44	0.441	14.93	19.52	74860	74690	97850	97630	1.10	8.00	13.8	
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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