

Kamran Tahir Sandhu,ME
Planning Branch DHA Multan.

Test Performed By: Dr. /Engr. Kashif

Client Reference: 701/92/Planning/DHA

SOM Lab

Ref: 1576 (Page-1a/1)

Dated: 11-01-2023

Dated: 13-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Sheikhoo Steel)

ASTM-A-615

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	2.666	8	0.998	0.79	0.783	26.37	35.22	73620	74280	98320	99200	1.30	8.0	16.3	758
2	2.644	8	0.995	0.79	0.777	27.29	35.85	76180	77460	100090	101760	1.20	8.0	15.0	758
3	2.635	8	0.993	0.79	0.774	26.22	35.47	73200	74710	99030	101080	1.40	8.0	17.5	759
4	2.666	8	0.998	0.79	0.783	26.17	35.39	73050	73710	98810	99690	1.30	8.0	16.3	759
5	2.696	8	1.004	0.79	0.792	25.20	35.34	70350	70170	98660	98420	1.40	8.0	17.5	762
6	2.695	8	1.004	0.79	0.792	25.40	35.68	70920	70740	99600	99350	1.40	8.0	17.5	762
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Witnessed By: Kamran Tahir Sandhu,ME

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 8	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. Kashif

Client Reference: 701/92/Planning/DHA
Dated: 11-01-2023
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 1576 (Page-1b/1)
Dated: 13-01-2023
ASTM-A-615
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	1.483	6	0.745	0.44	0.436	14.27	19.72	71540	72190	98870	99780	1.40	8.0	17.5	06
2	1.482	6	0.745	0.44	0.436	14.19	19.75	71130	71780	98970	99880	1.40	8.0	17.5	06
3	1.485	6	0.745	0.44	0.436	14.02	19.06	70260	70900	95550	96430	1.50	8.0	18.8	07
4	1.499	6	0.749	0.44	0.441	14.07	19.16	70510	70350	96060	95840	1.60	8.0	20.0	07
5	1.486	6	0.746	0.44	0.437	14.17	19.57	71020	71510	98100	98780	1.40	8.0	17.5	948
6	1.493	6	0.748	0.44	0.439	14.14	19.44	70870	71030	97440	97660	1.60	8.0	20.0	948
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Witnessed By: Kamran Tahir Sandhu,ME

BEND TEST:

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

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

Kamran Tahir Sandhu,ME
Planning Branch DHA Multan.

Test Performed By: Dr. /Engr. Kashif

Client Reference: 701/92/Planning/DHA

SOM Lab

Ref: 1576 (Page-1c/1)

Dated: 11-01-2023

Dated: 13-01-2023

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	0.672	4	0.501	0.20	0.197	6.68	8.97	73630	74750	98920	100430	1.30	8.0	16.3	916
2	0.672	4	0.501	0.20	0.197	6.60	8.97	72730	73840	98920	100430	1.50	8.0	18.8	916
3	0.668	4	0.500	0.20	0.196	6.34	8.77	69920	71350	96670	98650	1.60	8.0	20.0	917
4	0.663	4	0.498	0.20	0.195	6.44	8.82	71040	72870	97230	99730	1.50	8.0	18.8	917
5	0.658	4	0.496	0.20	0.193	6.49	8.87	71610	74200	97800	101340	1.60	8.0	20.0	923
6	0.656	4	0.496	0.20	0.193	6.60	8.84	72730	75370	97460	100990	1.60	8.0	20.0	923
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Witnessed By: Kamran Tahir Sandhu,ME

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 4	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

Zafar Iqbal

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM United LifeStyle Pvt. Ltd.(Sky Scraper By United at Johar Town Lahore)

Client Reference: ULS/2021-22/015

SOM Lab

Ref:

1577 (Page-1/1)

Dated: 13-01-2023

Dated:

13-01-2023

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	2.634	8	0.993	0.79	0.774	26.83	33.97	74900	76450	94820	96780	1.40	8.0	17.5	
2	2.613	8	0.989	0.79	0.768	26.61	33.81	74280	76400	94400	97100	1.30	8.0	16.3	
3	1.497	6	0.748	0.44	0.440	13.63	19.62	68320	68320	98360	98360	1.50	8.0	18.8	
4	1.495	6	0.748	0.44	0.439	13.58	19.67	68060	68220	98610	98840	1.40	8.0	17.5	
5	0.668	4	0.500	0.20	0.196	6.12	8.53	67450	68820	94090	96010	1.30	8.0	16.3	
6	0.674	4	0.502	0.20	0.198	6.09	8.62	67110	67790	95100	96060	1.60	8.0	20.0	
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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 TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

G3 Engineering Consultant.

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

Asstt RE G3 Engg.(Const Of Academic Block Sub Campus Of GCU Faisalabad at Sammundari)

Client Reference: G3/GCUF/ARE/035

SOM Lab

Ref: 1578 (P-1/1)

Dated: 30-09-2022

Dated: 13-01-2023

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	2.699	8	1.005	0.79	0.793	23.57	33.89	65800	65550	94620	94270	1.60	8.0	20.0	
2	2.684	8	1.002	0.79	0.789	23.41	33.59	65370	65450	93770	93890	1.50	8.0	18.8	
3	1.665	6	0.789	0.44	0.489	14.60	19.44	73170	65840	97440	87680	1.20	8.0	15.0	
4	1.640	6	0.783	0.44	0.482	14.14	19.11	70870	64700	95800	87460	1.60	8.0	20.0	
5	0.670	4	0.501	0.20	0.197	6.32	8.84	69700	70760	97460	98940	1.40	8.0	17.5	
6	0.667	4	0.500	0.20	0.196	6.32	8.87	69700	71120	97800	99790	1.40	8.0	17.5	
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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

Engr. Muhammad Tayyab Asif

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CE GCW University Faisalabad.(Const Of Motor Pool Shed and Laying Tuff Pavers)

Client Reference: GCWUF/DEW/22/2293

SOM Lab

Ref:

1579 (P-1/1)

Dated: 14-12-2022

Dated:

13-01-2023

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	1.644	6	0.784	0.44	0.483	13.91	19.08	69750	63540	95650	87140	1.50	8.0	18.8	
2	1.636	6	0.783	0.44	0.481	6.34	8.87	31780	29080	44460	40670	1.50	8.0	18.8	
3	0.667	4	0.500	0.20	0.196	6.34	8.87	69920	71350	97800	99790	1.50	8.0	18.8	
4	0.667	4	0.500	0.20	0.196	6.34	8.89	69920	71350	98020	100020	1.60	8.0	20.0	
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BEND TEST:

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

King Edward Medical University

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

Director P&D Lhr.(Const Of Pedestria O/Head Bridge Between Mayo Hospital and Hostel Of KEMU)

Client Reference: P&D/KEMU 20

SOM Lab

Ref: 1580 (P-1/1)

Dated: 12-01-2023

Dated: 13-01-2023

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	1.573	6	0.767	0.44	0.462	16.46	20.87	82520	78590	104590	99610	1.20	8.0	15.0	
2	0.887	5	0.576	0.31	0.261	9.02	11.93	64180	76230	84850	100780	1.30	8.0	16.3	
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BEND TEST:

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

Tahir Mehmood, Chief Engr

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Zaitoon, New Lahore City. Lahore (Const Of Zaitoon Life Style Gate By SWN Contractor)

Client Reference: NLC/CE/Const/01

SOM Lab

Ref:

1581 (Page-1/1)

Dated: 13-01-2023

Dated:

13-01-2023

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	1.480	6	0.744	0.44	0.435	14.42	19.06	72300	73130	95550	96650	1.30	8.0	16.3	
2	1.481	6	0.744	0.44	0.435	14.24	18.88	71380	72200	94630	95720	1.30	8.0	16.3	
3	0.676	4	0.503	0.20	0.199	6.57	8.74	72510	72870	96340	96820	1.10	8.0	13.8	
4	0.672	4	0.501	0.20	0.197	6.52	8.74	71940	73040	96340	97800	1.20	8.0	15.0	
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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