

Design & Management
Consultants
Lahore

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

Client Reference: DMC/20

SOM Lab

Ref: 2288 (Page-1/1)

Dated: 22-02-2020

Dated: 24-02-2020

Test: Tension 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	1.480	6	0.744	0.44	0.435	15.21	19.49	76240	77110	97690	98820	1.20	8.0	15.0	
2	1.505	6	0.750	0.44	0.442	14.73	18.83	73830	73500	94370	93950	1.10	8.0	13.8	
3	0.690	4	0.508	0.20	0.203	7.34	9.12	80940	79740	100610	99120	0.90	8.0	11.3	
4	0.675	4	0.502	0.20	0.198	6.27	8.46	69130	69830	93300	94240	0.90	8.0	11.3	
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BEND TEST:

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

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

M/s UAE City Steel
Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 2289(Page-1/1)

Dated: 24-02-2020

Dated: 24-02-2020

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	1.473	6	0.743	0.44	0.433	13.48	19.01	67550	68640	95290	96830	1.40	8.0	17.5	
2	1.463	6	0.740	0.44	0.430	15.11	22.53	75720	77490	112920	115550	1.40	8.0	17.5	
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Witnessed By: Tahir Javed

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

Faisal Mubarik Shabbir
Khan(Retd.)

Test Performed By: Dr. /Engr. Nauman Khurram

TBt, TI (M), Lieutenant Colonel, Additional Director Development, DHA Phaes-XI (Rehbar) Lahore

Client Reference: 700/3/Girls School/Ph-XI/Projs/3513

SOM Lab

Ref: 2291(Page-1/1)

Dated: 24-02-2020

Dated: 24-02-2020

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	2.615	8	0.989	0.79	0.768	24.94	33.61	69640	71630	93830	96510	1.70	8.0	21.3	
2	2.620	8	0.990	0.79	0.770	24.89	33.74	69500	71300	94200	96640	1.60	8.0	20.0	
3	0.658	4	0.496	0.20	0.193	6.52	8.43	71940	74550	92960	96340	1.30	8.0	16.3	
4	0.651	4	0.493	0.20	0.191	6.60	8.53	72730	76160	94090	98520	1.30	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

M. Sohail Anjum

Project Manager, MEK Multistory officers, P-156, Gulberg-II, Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: P-156-085

Dated: 24-02-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2292(Page-1/1)

Dated: 24-02-2020

ASTM-A-615

Deformed Bar(Mughal 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	1.436	6	0.733	0.44	0.422	14.55	18.17	72910	76020	91050	94940	1.00	8.0	12.5	
2	1.461	6	0.739	0.44	0.429	14.90	18.81	74700	76620	94270	96690	1.20	8.0	15.0	
3	0.664	4	0.498	0.20	0.195	7.72	9.45	85100	87280	104200	106880	1.00	8.0	12.5	
4	0.671	4	0.501	0.20	0.197	7.46	9.30	82290	83540	102520	104080	1.00	8.0	12.5	
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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

Naseer Ahmad (Director)

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Reliance Engg.,(Const. of Boundary Wall and Security Watch Tower Lal Pir Depot) (Client: PSO)

Client Reference: RECS/Marketing/UET-PSO-Lalpir-001

SOM Lab

Ref: 2293 (Page-1/1)

Dated: 24-02-2020

Dated: 24-02-2020

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	1.059	5	0.629	0.31	0.311	9.79	13.76	69620	69400	97910	97590	1.40	8.0	17.5	
2	1.057	5	0.629	0.31	0.311	9.65	13.66	68680	68460	97180	96870	1.30	8.0	16.3	
3	0.657	4	0.496	0.20	0.193	6.19	8.77	68230	70710	96670	100180	1.30	8.0	16.3	
4	0.655	4	0.494	0.20	0.192	6.24	8.77	68800	71660	96670	100700	1.20	8.0	15.0	
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Witnessed By: Sajid Mehmood, Project Engr. (C) PSO

BEND TEST:

# 5	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

Naseer Ahmad (Director)

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

Reliance Engg., (Project: HSD/PMG Pipeline Const. Mahmood Kot), (Client: Alnoor Petroleum (Pvt) Ltd.)

Client Reference: RECS/Marketing/UET-ANPL-MKT-001

SOM Lab Ref: 2294 (Page-1/1)

Dated: 24-02-2020

Dated: 24-02-2020

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	1.645	6	0.784	0.44	0.483	14.58	22.99	73070	66560	115220	104960	1.40	8.0	17.5	
2	1.638	6	0.783	0.44	0.481	14.48	22.22	72560	66370	111390	101890	1.40	8.0	17.5	
3	0.666	4	0.500	0.20	0.196	6.19	8.77	68230	69630	96670	98650	1.30	8.0	16.3	
4	0.667	4	0.500	0.20	0.196	6.19	8.74	68230	69630	96340	98300	1.30	8.0	16.3	
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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

Engr. Ch. Liaqat Ali

Resident Engineer, G 3 Engineering Consultants (Pvt) Ltd. Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: G3/0207/106

Dated: 24-02-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2298(Page-1/1)

Dated: 24-02-2020

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	1.498	6	0.748	0.44	0.440	14.95	20.23	74960	74960	101420	101420	1.20	8.0	15.0	
2	0.671	4	0.501	0.20	0.197	6.09	9.04	67110	68130	99710	101230	1.20	8.0	15.0	
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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

Tahir Mehmood
Chief Engineer, New Lahore City,

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: NLC/CE/Infra/023

SOM Lab

Ref: 2299(Page-1/1)

Dated: 24-02-2020

Dated: 24-02-2020

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	1.483	6	0.745	0.44	0.436	14.39	20.18	72150	72810	101170	102100	1.10	8.0	13.8	
2	1.526	6	0.755	0.44	0.448	14.53	19.62	72810	71510	98360	96600	1.20	8.0	15.0	
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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