

Ghulam Mustafa
United Towers, Lahore

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

Client Reference: nil
SOM Lab Ref: CED/SOM/2983 (Page-1/1)

Dated: 21-09-2020

Dated: 22-09-2020

Test: Tension Test

Test Specification: ASTM-F-1554

Sample Type: Alloy Steel Rods

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	3.530	25	23.94	491	450	250.00	291.60	509	556	594	648	25.0	200	12.5	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Ghulam Mustafa
United Towers, Lahore

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

Client Reference: nil
SOM Lab Ref: CED/SOM/2983 (Page-1/1)

Dated: 21-09-2020

Dated: 22-09-2020

Test: Tension Test

Test Specification: ASTM-F-1554

Sample Type: Alloy Steel Rods

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	3.530	25	23.94	491	450	250.00	291.60	509	556	594	648	25.0	200	12.5	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Sub Divisional Officer
Buildings Sub Division No. 12, Lahore

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

Client Reference: 468/SDO12th

SOM Lab

Ref: 2977(Page-1/1)

Dated: 15-09-2020

Dated: 22-09-2020

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	1.559	6	0.764	0.44	0.458	12.95	18.81	64890	62340	94270	90570	1.30	8.0	16.3	
2	1.568	6	0.766	0.44	0.461	13.81	19.37	69240	66080	97080	92660	1.20	8.0	15.0	
3	0.672	4	0.501	0.20	0.197	6.75	8.41	74420	75550	92740	94150	1.10	8.0	13.8	
4	0.676	4	0.503	0.20	0.199	6.83	8.38	75320	75690	92400	92870	1.10	8.0	13.8	
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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. Zain-UI_Abadeen
Assistant Resident Engineer, NESPAK, Lahore

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

Client Reference: 3882/11/MZA/01/208

SOM Lab

Ref: 2978(Page-1/1)

Dated: 16-09-2020

Dated: 22-09-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

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	1.039	5	0.623	0.31	0.305	8.84	13.48	62880	63910	95880	97450	1.20	8.0	15.0	
2	1.043	5	0.625	0.31	0.307	8.89	13.53	63240	63860	96240	97180	1.30	8.0	16.3	
3	0.650	4	0.493	0.20	0.191	6.14	8.43	67670	70860	92960	97340	1.30	8.0	16.3	
4	0.660	4	0.497	0.20	0.194	6.14	8.46	67670	69770	93300	96190	1.20	8.0	15.0	
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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

Engr. Muhammad Mubashir
Project Engineer, Deevar Developers Pvt. Ltd. Lahore

Test Performed By: Dr. /Engr. M. Rizwan Azam

Client Reference: ZD/ZO/L/034

SOM Lab

Ref: 2979(Page-1/1)

Dated: 22-09-2020

Dated: 22-09-2020

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	2.622	8	0.991	0.79	0.771	26.27	35.22	73340	75150	98320	100750	1.40	8.0	17.5	
2	2.635	8	0.993	0.79	0.774	26.78	35.39	74760	76310	98810	100850	1.30	8.0	16.3	
3	0.651	4	0.493	0.20	0.191	6.07	8.66	66890	70040	95550	100050	1.10	8.0	13.8	
4	0.670	4	0.501	0.20	0.197	6.01	7.95	66320	67330	87680	89020	1.20	8.0	15.0	
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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

Riaz Construction Co.

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Lahore (Project: T. C. F.) High School Chak 28, kangowal Faisalabad)

Client Reference: nil

SOM Lab

Ref: 2981(Page-1/1)

Dated: 22-09-2020

Dated: 22-09-2020

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	2.654	8	0.997	0.79	0.780	27.22	37.43	75980	76960	104500	105840	1.10	8.0	13.8	
2	1.470	6	0.742	0.44	0.432	18.45	22.04	92480	94200	110470	112510	1.10	8.0	13.8	
3	0.640	4	0.489	0.20	0.188	7.24	8.61	79810	84910	94990	101050	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Assistant Director -II

Building Research Station, C & W, Department, Govt. of Punjab, Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 154-R/4671

Dated: 22-09-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 2982 (Page-1/2)

Dated: 22-09-2020

Test Specification: ASTM-A-615

Deformed Bar(G-60)

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	2.706	8	1.006	0.79	0.795	34.15	40.08	95340	94740	111900	111190	1.20	8.0	15.0	
2	2.672	8	1.000	0.79	0.785	33.54	39.57	93630	94220	110470	111180	1.10	8.0	13.8	
3	1.530	6	0.757	0.44	0.450	16.18	20.49	81090	79290	102700	100420	1.00	8.0	12.5	
4	0.654	4	0.494	0.20	0.192	7.41	8.96	81720	85130	98810	102930	1.10	8.0	13.8	
5	0.653	4	0.494	0.20	0.192	7.39	8.89	81500	84890	98020	102110	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

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

Assistant Director -II

Building Research Station, C & W, Department, Govt. of Punjab, Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 154-R/4671

Dated: 22-09-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 2982 (Page-2/2)

Dated: 22-09-2020

Test Specification: ASTM-A-615

Deformed Bar(G-40)

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	2.638	8	0.993	0.79	0.775	18.17	29.28	50720	51700	81730	83310	1.60	8.0	20.0	
2	2.626	8	0.991	0.79	0.772	18.09	29.33	50520	51690	81880	83780	1.80	8.0	22.5	
3	1.535	6	0.758	0.44	0.451	10.75	16.18	53910	52590	81090	79110	1.90	8.0	23.8	
4	0.654	4	0.494	0.20	0.192	4.69	6.85	51710	53870	75540	78690	1.60	8.0	20.0	
5	0.657	4	0.496	0.20	0.193	4.74	6.88	52270	54170	75880	78630	1.50	8.0	18.8	
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BEND TEST:

# 6	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