Waqas Ali

Variant, 25-t-Gulberg- 2, Lahore

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

Client Reference: **VA/23/167**

Dated: **11-06-2020**

SOM Lab Ref: **2570(Page-1/2)**

Dated: **12-06-2020**

Test: **Tension & Bend Test**

Guage Length: **8 inch**

Test Specification: **ASTM-A-615**

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	1.478	6	0.743	0.44	0.434	13.25	18.60	66430	67340	93250	94540	1.20	8.0	15.0	
2	1.459	6	0.739	0.44	0.429	13.76	19.22	68980	70750	96320	98780	1.10	8.0	13.8	
3	0.668	4	0.500	0.20	0.196	5.93	9.23	65420	66760	101730	103810	1.40	8.0	17.5	
4	0.658	4	0.496	0.20	0.193	6.03	9.30	66550	68960	102520	106240	1.20	8.0	15.0	
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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

Sub Divisional Officer
Highway Sub Division, Noorpur Thal

Test Performed By: **Dr. /Engr.** **Nauman Khurram**

Client Reference: **70/NPT**
Dated: **06-06-2020**

SOM Lab Ref: **2572(Page-1/1)**
Dated: **12-06-2020**

Test: **Tension Test**
Test Specification: **ASTM-A-615 Deformed**

Gauge Length: **8 inch**
Sample Type: **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	2.545	8	0.976	0.79	0.748	15.21	21.99	42460	44850	61390	64830	1.00	8.0	12.5	
2	2.546	8	0.976	0.79	0.748	15.24	22.22	42550	44940	62040	65520	1.20	8.0	15.0	
3	1.492	6	0.747	0.44	0.438	15.97	19.88	80070	80430	99640	100090	1.20	8.0	15.0	
4	1.485	6	0.745	0.44	0.436	15.75	19.69	78940	79670	98720	99620	1.30	8.0	16.3	
5	0.653	4	0.494	0.20	0.192	7.05	9.04	77790	81030	99710	103860	1.00	8.0	12.5	
6	0.656	4	0.496	0.20	0.193	6.93	9.14	76440	79210	100830	104490	1.10	8.0	13.8	
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BEND TEST:

--	No Bend test performed

Note:-

Only Six Samples Received and Tested

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

Waqas Ali

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

Variant, 25-t-Gulberg- 2, Lahore

Client Reference: **VA/23/168**

Dated: 11-06-2020

SOM Lab Ref: 2570(Page-2/2)

Dated: 12-06-2020

Test: Tension Test

Test Specification: ASTM-A-615

Guage 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	1.513	6	0.753	0.44	0.445	17.40	21.58	87220	86240	108170	106950	1.10	8.0	13.8	
2	1.477	6	0.743	0.44	0.434	17.20	21.43	86200	87390	107400	108890	1.20	8.0	15.0	
3	0.603	4	0.475	0.20	0.177	6.17	7.29	68010	76850	80370	90820	1.30	8.0	16.3	
4	0.604	4	0.476	0.20	0.178	6.19	7.29	68230	76670	80370	90310	1.20	8.0	15.0	
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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

Ajmal Kaleem Ullah **Test Performed By:** **Dr. /Engr.** **S. Asad Ali Gillani**

Resident Engineer, AZEA, Sialkot Residency

Client Reference: **AZEA/SIALKOT/ADP/20/007** **SOM Lab Ref:** **2573 (Page-1/1)**

Dated: **12-06-2020** **Dated:** **12-06-2020**

Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615**

Gauge Length: **8 inch** **Sample Type:** **Round Bar & 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	2.678	8	1.001	0.79	0.787	20.64	34.42	57630	57850	96100	96470	1.30	8.0	16.3	Round
2	2.688	8	1.003	0.79	0.790	18.93	30.55	52850	52850	85290	85290	1.40	8.0	17.5	Round
3	1.556	6	0.763	0.44	0.457	12.54	20.56	62850	60510	103060	99230	1.20	8.0	15.0	Round
4	1.536	6	0.758	0.44	0.451	10.43	16.56	52270	51000	83030	81010	1.40	8.0	17.5	Round
5	0.677	4	0.503	0.20	0.199	6.60	8.41	72730	73100	92740	93200	1.30	8.0	16.3	Deformed
6	0.677	4	0.503	0.20	0.199	6.70	8.53	73850	74230	94090	94560	1.10	8.0	13.8	Deformed
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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 Tested

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

Maj Adnan khalid® **Test Performed By:** Dr. /Engr. **S Asad Ali Gillani**

Dy Dir MTL, Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI, (M/S Construct)

Client Reference: **408/241/E/Lab/920/5208** **SOM Lab Ref:** **2574(Page-1/1)**

Dated: **12-06-2020** **Dated:** **12-06-2020**

Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615**

Gauge Length: **8 inch** **Sample Type:** **Deformed Bar (Kamran 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	1.490	6	0.747	0.44	0.438	12.23	18.30	61320	61600	91720	92140	1.20	8.0	15.0	
2	1.489	6	0.747	0.44	0.438	12.20	18.42	61160	61440	92330	92750	1.30	8.0	16.3	
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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

Muhammad Saadat Ullah
Chairman, 423-K, Phase 5, DHA, Lahore

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

Client Reference: **ARBT/1 /2020**
Dated: **11-06-2020**

SOM Lab Ref: **2575(Page-1/1)**
Dated: **12-06-2020**

Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615**
Guage 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	1.468	6	0.741	0.44	0.431	15.77	19.06	79050	80700	95550	97540	1.00	8.0	12.5	
2	1.467	6	0.741	0.44	0.431	16.11	19.52	80730	82420	97850	99890	1.00	8.0	12.5	
3	0.648	4	0.492	0.20	0.190	6.75	8.51	74420	78330	93860	98800	1.00	8.0	12.5	
4	0.672	4	0.501	0.20	0.197	7.26	9.02	80040	81260	99480	101000	1.00	8.0	12.5	
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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

Assistant Executive Engineer-III,

Cannal Civil Division No, II, P. W. D., Lahore

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

Client Reference: **AEE-I/LCCD-II/50**

Dated: **8-06-2020**

SOM Lab Ref: **2577(Page-1/1)**

Dated: **1206-2020**

Test: **Tension Test & Bend Test**

Test Specification: **ASTM-A-615 Deformed Bar**

Gauge Length: **8 inch**

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	2.663	8	0.998	0.79	0.783	25.91	35.02	72340	72990	97750	98630	1.20	8.0	15.0	
2	1.513	6	0.753	0.44	0.445	14.14	19.06	70870	70070	95550	94480	1.30	8.0	16.3	
3	1.033	5	0.622	0.31	0.304	10.11	13.61	71940	73360	96820	98730	1.00	8.0	12.5	
4	0.666	4	0.500	0.20	0.196	6.44	8.89	71040	72490	98020	100020	1.10	8.0	13.8	
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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
# 5	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Eight Samples Received and Tested

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