Zubeer Tariq
Lahore

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

Client Reference: **Nil**
Dated: **08-06-2020**

SOM Lab Ref: **2539(Page-1/1)**
Dated: **08-06-2020**

Test: **Tension 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	2.570	8	0.980	0.79	0.755	27.42	37.36	76550	80100	104300	109130	1.10	8.0	13.8	
2	1.509	6	0.751	0.44	0.443	14.48	19.37	72560	72070	97080	96420	1.20	8.0	15.0	
3	0.657	4	0.496	0.20	0.193	6.63	8.41	73070	75720	92740	96100	1.10	8.0	13.8	
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BEND TEST:

--	No Bend test performed

Note:-

Only Three Samples Received and Tested

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

Muhammad Waqas Anwar
Resident Engineer-I, NESPAK, Lahore

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

Client Reference: **3772/FMU/103/MWA/04/16**
Dated: **08-06-2019**

SOM Lab Ref: **2543(Page-1/1)**
Dated: **08-06-2020**

Test: **Tension Test & Bend Test**
Test Specification: **ASTM-A-615 Deformed Bar(SJ Steel)**

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	1.532	6	0.757	0.44	0.450	12.23	18.11	61320	59950	90800	88780	1.40	8.0	17.5	
2	1.518	6	0.754	0.44	0.446	12.71	18.50	63720	62860	92740	91490	1.20	8.0	15.0	
3	0.661	4	0.497	0.20	0.194	6.39	8.84	70480	72660	97460	100470	1.10	8.0	13.8	
4	0.663	4	0.498	0.20	0.195	6.42	8.69	70820	72640	95770	98230	1.10	8.0	13.8	
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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

Abdullah Khadim
Resident Engineer, DAR Engineering

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

Client Reference: **DB-78/DAR/RE/ME/2020/0220**
Dated: **05-06-2020**

SOM Lab Ref: **2544(Page-1/1)**
Dated: **08-06-2020**

Test: **Tension Test & Bend Test** **Test Specification:** **ASTM-A-615 Deformed Bar(Kamran Steel)**

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	0.639	4	0.489	0.20	0.188	5.81	7.95	64080	68170	87680	93280	1.00	8.0	12.5	P-610
2	0.640	4	0.489	0.20	0.188	5.71	7.87	62950	66970	86780	92320	1.00	8.0	12.5	P-610
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BEND TEST:

# 4	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