

G3 Engg Consultants. ARE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Faisalabad.(Estb Of Sub Campus Govt. College University Faisalabad At Samundari)

Client Reference: G3/GCUF/ARE/01

SOM Lab 499 (Page-

Ref: 1/1)

Dated: 23-05-2022

Dated: 16-06-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	2.572	8	0.981	0.79	0.756	27.59	35.60	77040	80500	99380	103850	1.40	8.0	17.5	
2	2.585	8	0.984	0.79	0.760	29.00	36.16	80960	84160	100940	104930	1.30	8.0	16.3	
3	1.474	6	0.743	0.44	0.433	13.61	20.95	68210	69320	105000	106700	1.20	8.0	15.0	
4	1.470	6	0.742	0.44	0.432	13.56	20.97	67960	69220	105100	107050	1.30	8.0	16.3	
5	0.657	4	0.496	0.20	0.193	5.73	8.87	63180	65470	97800	101340	1.00	8.0	12.5	
6	0.653	4	0.494	0.20	0.192	5.78	8.87	63740	66390	97800	101870	1.10	8.0	13.8	
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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

Adnan Aslam (PD)

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

Punjab Industrial Estates,(Const Of Storm WaterPumping Station At Interceptve Drain QABP Skp)

Client Reference: PIE/QABP/CIV/077

SOM Lab 500 (Page-

Ref: 1/1)

Dated: 03-06-2022

Dated: 16-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (S.J 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	0.676	4	0.503	0.20	0.199	7.67	9.35	84530	84960	103080	103600	1.10	8.0	13.8	
2	0.670	4	0.501	0.20	0.197	6.49	8.46	71610	72700	93300	94720	1.00	8.0	12.5	
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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

Muhammad Usman Lt Com PN
 Garrison Engr.(Navy) Lahore.(Const Of Children School At Walton Lahore)

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

Client Reference: 6023/988/20/E-6

SOM Lab 501 (Page-

Ref: 1/1)

Dated: 03-06-2022

Dated: 16-06-2022

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	1.500	6	0.749	0.44	0.441	13.56	19.69	67960	67800	98720	98490	1.10	8.0	13.8	
2	0.675	4	0.502	0.20	0.198	5.81	8.36	64080	64720	92180	93110	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
# 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

Muhammad Usman Lt Com PN

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Garrison Engr.(Navy) Lahore.(Const Of Sports Complex At PNWC At Walton Lahore)

Client Reference: 6024/24/16/E-6

SOM Lab

502 (Page-

Ref:

1/1)

Dated: 03-06-2022

Dated:

16-06-2022

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	1.482	6	0.745	0.44	0.436	13.68	20.00	68570	69200	100250	101170	1.20	8.0	15.0	
2	0.678	4	0.503	0.20	0.199	5.68	8.33	62610	62930	91840	92300	0.90	8.0	11.3	
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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