

Major Tanveer Ahmad ®

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

RE-2 ACES DHA Multan.(Civil Infrastructure Development works DHA Multan)

Client Reference: ACES-DHAM-NLC-097

Dated: 08-01-2022

SOM Lab Ref: CED/SOM/5643(Page-1/1)

Dated: 10-01-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A 615

Sample Type: M S Deformed Bar (Amreli Steel)

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	0.889	12	12.00	113	113	65.20	77.20	576	577	683	684	25.0	200	12.5	
2	0.891	12	12.02	113	113	67.50	79.20	597	595	700	698	27.5	200	13.8	
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BEND TEST:

12mm Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Three Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

M/S Project Managers

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Allied Bank.(Project: Allied Bank Ltd Plot No.14 Block A3 Gulberg III Lahore.)

Client Reference: Nil

SOM Lab

5644 (Page-

Ref:

1/1)

Dated: 10-01-2022

Dated:

10-01-2022

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	2.658	8	0.997	0.79	0.781	25.20	34.89	70350	71160	97410	98540	1.40	8.0	17.5	
2	2.654	8	0.997	0.79	0.780	27.20	36.89	75930	76900	102990	104310	1.30	8.0	16.3	
3	1.047	5	0.626	0.31	0.308	9.19	12.10	65420	65840	86090	86640	1.50	8.0	18.8	
4	1.047	5	0.626	0.31	0.308	9.19	12.19	65420	65840	86740	87300	1.40	8.0	17.5	
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Witnessed By: M. Anas

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 5	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

Abdul Ghafar

Test Performed By:

Dr. /Engr.

Asad Gillani

PM Liberty Builders.(Const. Of Zee Avenue-Ramada Hotel & Suites 17-A Cooper Rd,Lahore)

Client Reference: ST/UET/20220110

SOM Lab 5645 (Page-

Ref: 1/1)

Dated: 10-01-2022

Dated: 10-01-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

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	1.496	6	0.748	0.44	0.440	15.29	20.00	76640	76640	100250	100250	1.40	8.0	17.5	
2	1.486	6	0.746	0.44	0.437	14.99	18.99	75160	75680	95190	95840	1.30	8.0	16.3	
3	1.494	6	0.748	0.44	0.439	14.99	18.70	75160	75330	93710	93920	1.20	8.0	15.0	
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Witnessed By: Kamran Nawaz (Supervisor)

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	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,

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

HSD No.22 Skp.(Rehb/Const Of Rd From Paddianwala To Ajniawala Via Gujiana Nau,)

Client Reference: 506/Skp

SOM Lab 5646 (Page-

Ref: 1/1)

Dated: 29-11-2021

Dated: 10-01-2022

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	2.530	8	0.973	0.79	0.744	21.53	31.47	60110	63820	87850	93280	1.40	8.0	17.5	
2	2.561	8	0.979	0.79	0.753	21.76	31.45	60760	63750	87790	92110	1.40	8.0	17.5	
3	1.501	6	0.749	0.44	0.441	12.35	16.99	61930	61790	85180	84980	1.40	8.0	17.5	
4	1.494	6	0.748	0.44	0.439	12.15	17.71	60910	61050	88750	88960	1.30	8.0	16.3	
5	0.660	4	0.497	0.20	0.194	6.32	8.36	69700	71850	92180	95030	1.10	8.0	13.8	
6	0.670	4	0.501	0.20	0.197	6.88	8.79	75880	77030	96900	98370	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

Engr. Javed Asad

Test Performed By:

Dr. /Engr. S Asad Ali Gillani

CRE Jalapur Irrigation Project Consultants.(Const. Of Jalapur Irrigation Canal And Its System Pkg-3)

Client Reference: JIPIC/TECH/P-3/CRE/49

SOM Lab 5647 (Page-

Ref: 1/1)

Dated: 04-01-2022

Dated: 10-01-2022

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	1.511	6	0.752	0.44	0.444	17.20	21.25	86200	85420	106530	105570	1.20	8.0	15.0	
2	1.508	6	0.751	0.44	0.443	17.25	20.95	86450	85870	105000	104290	1.30	8.0	16.3	
3	1.037	5	0.623	0.31	0.305	10.93	13.76	77750	79020	97910	99510	1.10	8.0	13.8	
4	1.067	5	0.632	0.31	0.314	11.54	14.42	82100	81050	102620	101310	1.30	8.0	16.3	
5	0.677	4	0.503	0.20	0.199	6.12	8.84	67450	67790	97460	97950	1.30	8.0	16.3	
6	0.673	4	0.502	0.20	0.198	6.14	9.12	67670	68360	100610	101620	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 5	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

Sub Divisional officer,

Test Performed By:

Dr. /Engr. Asad Ali Gillani

BSD No.22 Lhr.(Const Of Building For E-Library & Research Facilities In Board For Adv Of Literature)

Client Reference: 277/22nd

SOM Lab 5648 (Page-

Ref: 1/1)

Dated: 28-12-2021

Dated: 10-01-2022

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	2.670	8	1.000	0.79	0.785	16.82	25.40	46960	47260	70920	71370	2.00	8.0	25.0	
2	2.711	8	1.007	0.79	0.797	18.25	27.57	50940	50500	76980	76300	2.30	8.0	28.8	
3	1.475	6	0.743	0.44	0.433	11.13	16.38	55800	56700	82110	83440	1.20	8.0	15.0	
4	1.480	6	0.744	0.44	0.435	10.60	15.44	53140	53750	77410	78300	2.00	8.0	25.0	
5	0.675	4	0.502	0.20	0.198	7.29	9.02	80370	81190	99480	100490	1.40	8.0	17.5	
6	0.674	4	0.502	0.20	0.198	7.24	9.02	79810	80620	99480	100490	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

Engr. Hasan Nawaz

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CM Zameen Quadrangle.(Const. Of Zameen Quadrangle at Plot No.49,Gulberg-V Lahore)

Client Reference: ZD/ZQ/GSW/011

SOM Lab 5649 (Page-

Ref: 1/1)

Dated: 10-01-2022

Dated: 10-01-2021

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	2.550	8	0.977	0.79	0.749	25.25	35.19	70490	74350	98240	103620	1.40	8.0	17.5	
2	2.658	8	0.997	0.79	0.781	24.99	35.17	69780	70590	98180	99310	1.30	8.0	16.3	
3	1.501	6	0.749	0.44	0.441	14.70	20.10	73680	73510	100760	100530	1.40	8.0	17.5	
4	1.500	6	0.749	0.44	0.441	15.55	19.88	77920	77750	99640	99410	1.10	8.0	13.8	
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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	

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