

Zohaib Anjum

Test Performed By:

Dr. /Engr.

Wasim Abbas

Rockwell corporation Pvt.Ltd. (Sitara Chemical Industries Ltd.)

1109(Page-

1/1)

Client Reference: Nil

SOM Lab Ref:

Dated: 19-10-2022

Dated:

19-10-2022

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

Deformed Bar (AFCO 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.252	20	19.12	314	287	176.50	204.70	562	615	652	714	27.5	200	13.8	
2	2.255	20	19.12	314	287	179.20	198.00	571	624	631	690	25.0	200	12.5	
3	1.570	16	15.96	201	200	95.70	123.00	476	479	612	615	37.5	200	18.8	
4	1.554	16	15.88	201	198	96.70	123.50	481	489	614	624	35.0	200	17.5	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
16mm	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

Col Tajamal Hussain Riaz ®

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE ACE Ltd.Multan.(Secretariat Officer Building Multan & Allied Work)

Client Reference: ACE/RE/CSM/2022/356

SOM Lab

1104 (Page-

Ref:

1/1)

Dated: 13-10-2022

Dated:

19-10-2022

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	2.568	8	0.980	0.79	0.755	24.74	33.64	69070	72270	93910	98270	1.50	8.0	18.8	
2	2.567	8	0.980	0.79	0.754	24.84	33.71	69350	72670	94110	98600	1.50	8.0	18.8	
3	1.550	6	0.762	0.44	0.456	15.95	21.78	79970	77160	109190	105360	1.20	8.0	15.0	
4	1.492	6	0.747	0.44	0.438	14.48	20.20	72560	72890	101270	101730	1.10	8.0	13.8	
5	0.653	4	0.494	0.20	0.192	5.91	8.58	65200	67920	94650	98590	1.00	8.0	12.5	
6	0.642	4	0.491	0.20	0.189	6.01	8.74	66320	70180	96340	101940	1.20	8.0	15.0	
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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

Allied Engg Consultants

Test Performed By:

Dr. /Engr. Wasim Abbas

ARE Allied Engg.Rwp.(Renov And Const office Women Barracks And Multi Purpose Traning Rooms)

Client Reference: AEC/RP/RWP/2022/13 4-95

SOM Lab 1105 (Page-

Ref: 1/1)

Dated: 15-11-2022

Dated: 19-10-2022

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	2.677	8	1.001	0.79	0.787	24.74	33.25	69070	69330	92830	93190	1.70	8.0	21.3	
2	2.707	8	1.007	0.79	0.796	24.64	33.23	68790	68270	92770	92080	1.80	8.0	22.5	
3	1.525	6	0.755	0.44	0.448	13.78	19.27	69080	67850	96570	94850	1.50	8.0	18.8	
4	1.566	6	0.765	0.44	0.460	14.34	19.95	71890	68770	99990	95650	1.50	8.0	18.8	
5	0.603	4	0.475	0.20	0.177	5.71	8.74	62950	71130	96340	108850	1.10	8.0	13.8	
6	0.602	4	0.475	0.20	0.177	5.73	8.84	63180	71390	97460	110120	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. Mian Mubashar Rafiq

Test Performed By:

Dr. /Engr.

Wasim Abbas

PM Union Developers Lhr.(const. Of Union Luxury Apartments,Etihad Town Lahore.)

Client Reference: UA/SO/2022/028

SOM Lab 1106 (Page-

Ref: 1/1)

Dated: 17-10-2022

Dated: 19-10-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Afco 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	0.660	4	0.497	0.20	0.194	7.82	9.63	86220	88890	106230	109510	1.10	8.0	13.8	
2	0.646	4	0.492	0.20	0.190	7.21	9.33	79470	83660	102860	108270	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

M. Tariq Shahzad
 Exec Dir Projects, The Lake City Developers (Pvt) Ltd Lahore.

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

Client Reference: LCRG/Test/008

SOM Lab 1107 (Page-

Ref: 1/3)

Dated: 19-10-2022

Dated: 19-10-2022

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	0.679	4	0.505	0.20	0.200	7.21	9.23	79470	79470	101730	101730	1.10	8.0	13.8	
2	0.677	4	0.503	0.20	0.199	7.16	9.30	78910	79310	102520	103030	1.20	8.0	15.0	
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Witnessed By: Jafar Khan (Land Surveyor, Unison Pvt)

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

M. Tariq Shahzad
 Exec Dir Projects, The Lake City Developers (Pvt) Ltd Lahore.

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

Client Reference: LCRG/Test/009

SOM Lab 1107 (Page-

Ref: 2/3)

Dated: 19-10-2022

Dated: 19-10-2022

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	1.492	6	0.747	0.44	0.438	13.83	19.27	69340	69650	96570	97010	1.50	8.0	18.8	
2	1.494	6	0.748	0.44	0.439	14.17	19.37	71020	71190	97080	97300	1.30	8.0	16.3	
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Witnessed By: Jafar Khan (Land Surveyor, Unison Pvt)

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

M. Tariq Shahzad
 Exec Dir Projects, The Lake City Developers (Pvt) Ltd Lahore.

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

Client Reference: LCRG/Test/010

SOM Lab 1107 (Page-

Ref: 3/3)

Dated: 19-10-2022

Dated: 19-10-2022

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	2.642	8	0.994	0.79	0.776	24.33	36.31	67930	69160	101370	103200	1.10	8.0	13.8	
2	2.662	8	0.998	0.79	0.782	24.26	36.72	67730	68430	102510	103560	1.20	8.0	15.0	
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Witnessed By: Jafar Khan (Land Surveyor, Unison Pvt)

BEND TEST:

# 8	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

Umair Ahmad
Project Manager. DHA Gujranwala. (Sector C)

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

Client Reference: 111/15/PE/RS/Pkg- 2A/732

SOM Lab 1108 (Page-

Ref: 1/1)

Dated: 18-10-2022

Dated: 19-10-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Nomee 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	2.653	8	0.997	0.79	0.780	26.91	35.12	75130	76090	98040	99300	1.10	8.0	13.8	
2	2.639	8	0.994	0.79	0.776	27.12	35.22	75700	77070	98320	100100	1.00	8.0	12.5	
3	1.377	6	0.718	0.44	0.405	12.92	17.96	64740	70330	90030	97810	1.10	8.0	13.8	
4	1.368	6	0.715	0.44	0.402	11.34	16.21	56820	62190	81240	88920	1.00	8.0	12.5	
5	0.653	4	0.494	0.20	0.192	5.63	8.43	62050	64640	92960	96840	1.40	8.0	17.5	
6	0.653	4	0.494	0.20	0.192	5.58	8.43	61490	64050	92960	96840	1.50	8.0	18.8	
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Witnessed By: Amir Shehzad L.T DHAG

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