

Waseem Ghulam Rasool

Test Performed By:

Dr. /Engr.

M Rizwan Riaz

Project Manager, Al- Habib Construction Company,(U900 Karachi & Lahore Project, Site ID # CI-1700)

Client Reference: Nil

Dated: 08-01-2019

SOM Lab Ref: CED/SOM/105(Page-1/2)

Dated: 10-01-2019

Test: Tension Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

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	1.608	16	16.16	201	205	134.40	159.90	668	656	795	780	25.0	200	12.5	
2	1.576	16	15.99	201	201	128.51	154.00	639	640	766	767	25.0	200	12.5	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Waseem Ghulam Rasool

Test Performed By:

Dr. /Engr.

M Rizwan Riaz

Project Manager, Al- Habib Construction Company,(U900 Karachi & Lahore Project, Site ID # CI-1700)

Client Reference: Nil

Dated: 08-01-2019

SOM Lab Ref: CED/SOM/105(Page-2/2)

Dated: 10-01-2019

Test: Tension Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

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	2.206	20	18.92	314	281	167.75	209.00	534	597	665	744	27.5	200	13.8	
2	2.278	20	19.22	314	290	162.84	199.10	518	562	634	686	27.5	200	13.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Ghulam Muhammad Ghous

Test Performed By: Dr. /Engr. M Rizwan Riaz

Assistant Director (TECH) Anti-Corruption Establishment, Sargodha Region, Sargodha

Client Reference: ACE-SR-2018/269

SOM Lab

Ref: 106 (Page-1/1)

Dated: 07-01-2019

Dated: 10-01-2019

Test: Tension Test & Bend 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	1.363	6	0.715	0.44	0.401	9.60	14.30	48120	52800	71690	78660	1.50	8.0	18.8	
2	0.655	4	0.494	0.20	0.192	6.20	8.90	68370	71220	98150	102230	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

Sub Divisional Officer(Auqaf)
Data Darbar, Lahore

Test Performed By: Dr. /Engr. M Rizwan Riaz

Client Reference: SDO/A/DD/125

SOM Lab Ref: 107 (Page-1/1)

Dated: 02-01-2019

Dated: 10-01-2019

Test: Tension Test & Bend 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	1.445	6	0.736	0.44	0.425	9.90	14.20	49630	51380	71180	73690	2.00	8.0	25.0	
2	1.438	6	0.734	0.44	0.423	9.70	14.20	48620	50580	71180	74040	1.90	8.0	23.8	
3	0.693	4	0.510	0.20	0.204	5.40	7.70	59550	58380	84920	83250	1.10	8.0	13.8	
4	0.700	4	0.512	0.20	0.206	5.20	7.70	57340	55670	84920	82440	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Syed Hasan M. Abidi

Test Performed By:

Dr. /Engr.

M Rizwan Riaz

Project Manager, Associated Consulting Engineers - ACE (Pvt) Ltd. Lahore

Client Reference: Arts/DSM/160/6572

SOM Lab

Ref:

108 (Page-1/1)

Dated: 13-12-2018

Dated:

10-01-2019

Test: Tension Test & Bend 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	1.025	5	0.619	0.31	0.301	10.60	14.30	75410	77670	101750	104790	1.10	8.0	13.8	
2	1.016	5	0.617	0.31	0.299	10.80	14.40	76840	79660	102470	106240	1.10	8.0	13.8	
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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