

Aamir Shahzad Alvi,PM

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Usman Ibrahim Construction,Lahore.(Const Of HIGH-Q Mall at 3-A Gulberg II,Lahore)

Client Reference: QC/HQ/CIVIL/018

Dated: 05-09-2022

SOM Lab Ref: CED/SOM/851(Page-1/1)

Dated: 05-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: MS 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	2.469	20	20.03	314	315	142.00	198.50	452	451	632	631	35.0	200	17.5	
2	2.475	20	20.04	314	315	150.20	202.70	478	477	645	643	32.5	200	16.3	
3	1.523	16	15.72	201	194	100.20	138.20	498	517	687	713	32.5	200	16.3	
4	1.505	16	15.62	201	192	94.20	133.00	469	492	661	694	32.5	200	16.3	
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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

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/006

SOM Lab 850 (Page-

Ref: 1/1)

Dated: 05-09-2022

Dated: 05-09-2022

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	0.600	4	0.473	0.20	0.176	5.71	7.65	62950	71540	84310	95800	1.60	8.0	20.0	
2	0.600	4	0.473	0.20	0.176	5.78	7.65	63740	72430	84310	95800	1.30	8.0	16.3	
3	0.603	4	0.475	0.20	0.177	5.81	7.67	64080	72400	84530	95520	1.30	8.0	16.3	
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Witnessed By: Mubasher (Q.C Unison)

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

Executive Engineer,

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Qadirabad Balloki Link Canal Div, Farooqabad.(Const Of New QB Link Office Complex Residences)

Client Reference: 806/7-G-I

SOM Lab 852 (Page-

Ref: 1/1)

Dated: 03-09-2022

Dated: 05-09-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Prime Supreme)

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	1.498	6	0.748	0.44	0.440	10.55	16.99	52890	52890	85180	85180	1.20	8.0	15.0	
2	1.495	6	0.748	0.44	0.439	10.70	16.99	53650	53770	85180	85370	1.30	8.0	16.3	
3	1.064	5	0.631	0.31	0.313	7.56	12.15	53810	53300	86450	85620	1.50	8.0	18.8	
4	1.053	5	0.627	0.31	0.309	7.59	11.93	54030	54210	84850	85130	1.50	8.0	18.8	
5	0.676	4	0.503	0.20	0.199	5.42	8.28	59800	60100	91280	91740	1.30	8.0	16.3	
6	0.677	4	0.503	0.20	0.199	5.50	8.15	60700	61010	89930	90380	1.40	8.0	17.5	
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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	

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