

Sajid Khawaja

Test Performed By:

Dr. /Engr.

M Rehan Ashraf

Senior Manager Civil, OTL, Lahore(Project Orent Square Hotel Tower Johar Town)

Client Reference: ORIENT/AFCO/Hotel Tower/Steel/030**Dated:** 14-01-2020**SOM Lab Ref:** CED/SOM/2041 (Page-1/1)**Dated:** 14-01-2020**Test:** Tension Test & Bend 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	3.836	25	24.95	491	489	211.70	341.20	431	433	695	698	27.5	200	13.8	
2	3.811	25	24.86	491	486	213.50	341.50	435	440	696	704	32.5	200	16.3	
3	1.595	16	16.09	201	203	99.70	145.00	496	491	721	714	32.5	200	16.3	
4	1.598	16	16.10	201	204	101.50	146.20	505	499	727	719	35.0	200	17.5	
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BEND TEST:

25mm Sample bend through 180 degrees Satisfactorily without any crack

16mm Sample bend through 180 degrees Satisfactorily without any crack

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

M. Kamran
for Engineering Design Bureau, Lahore

Test Performed By: Dr. /Engr. M Rehan Ashraf

Client Reference: EDB/08
SOM Lab Ref: CED/SOM/2042 (Page-1/1)
Test: Tensile Test
Sample Type: Deformed Bar

Dated: 14-01-2020
Dated: 14-01-2020
Test Specification: ASTM-A-615
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	2.230	20	19.02	314	284	151.00	205.20	481	532	653	723	50.0	200	25.0	
2	0.985	12	12.64	113	126	66.00	84.00	584	526	743	670	30.0	200	15.0	
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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

Tanveer Raza Sahoo

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Member Engineer-I, CMIT, Govt. of The Panjab. Chief Minister's Inspection Team, Lahore

Client Reference: PS/ME-I/1-81/2019/CMIT/-129

SOM Lab

Ref: 2043 (Page-1/1)

Dated: 13-01-2020

Dated: 14-01-2020

Test: Tension 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	6.01	8.97	66320	66320	98920	98920	1.30	8.0	16.3	
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Witnessed By: Rashid, Stenographer, CMIT, Lahore

BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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