M. Nadeem Zafarullah

MD SNGPL,Lahore(Cons. Of Room Pathways & Shed At Domestic Meter Inspection Shop,Sundar)

Test Performed By: Dr. /Engr. <u>Dr. Asad Ghalani</u>

SOM Lab

Client Reference: CC/DMIS/SUNDAR/01

Ref: 5287(Page-1/1)

Dated: 10-11-2021

Dated: 11-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia. Nominal	Dia. Calculated	Area Nominal	Area Calculated	Yield Load	Ultimate Load	Yield Stress (according to nominal area)	Yield Stress (according to measured area)	Ult. Stress (according to nominal area)	Ult. Stress (according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in²	in²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.487	6	0.746	0.44	0.437	13.07	20.90	65510	65960	104750	105460	1.20	8.0	15.0	
2	1.494	6	0.748	0.44	0.439	13.15	20.92	65910	66070	104850	105090	1.20	8.0	15.0	
3	0.640	4	0.489	0.20	0.188	6.07	8.69	66890	71150	95770	101890	1.30	8.0	16.3	
4	0.645	4	0.492	0.20	0.190	5.86	8.77	64640	68040	96670	101760	1.40	8.0	17.5	
	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
	--	--	-	-	-	-	-	-	-	-	-	-	-	-	
	--	--	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

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

Irfan Siddique | **Test Performed By:** | **Dr. /Engr.** | Dr. Asad Ghalani

Building Standards,Lahore (Construction Of Residential Building In Gulberg Lahore)

SOM Lab

| **Client Reference:** | GT/LTR/211110-115 | **Ref:** | 5288(Page-1/1) |
| **Dated:** | 10-11-2021 | **Dated:** | 11-11-2021 |

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	in²	in²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.511	6	0.752	0.44	0.444	17.20	21.94	86200	85420	109960	108970	1.10	8.0	13.8	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Salman Aziz

Resident Engineer, NesPak(Development Of Infrastucture In LDA City,Lahore

Test Performed By: Dr. /Engr.   Dr.Safeer Abbass

Client Reference:	4047/13/SA/04-KRC/219
Dated:	04-11-2021
Test:	Tension Test & Bend Test
Gauge Length:	8 inch

SOM Lab
Ref: 5289(Page-1/1)
Dated: 11-11-2021
Test Specification: ASTM-A-615
Sample Type: Deformed Bar (SJ Steel)

S.No.	Weight	Dia. Nominal	Dia. Calculated	Area Nominal	Area Calculated	Yield Load	Ultimate Load	Yield Stress (according to nominal area)	Yield Stress (according to measured area)	Ult. Stress (according to nominal area)	Ult. Stress (according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in²	in²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.661	4	0.497	0.20	0.194	6.57	9.76	72510	74750	107580	110900	1.00	8.0	12.5	
2	0.663	4	0.498	0.20	0.195	7.59	9.70	83750	85890	107010	109760	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Muneeb Shahzad Butt

Test Performed By: Dr. /Engr. Dr. Asad Ghalani

PM BPS (Pvt)Ltd (Construction Of Alpha Home Apartments (Block-C) at Beaconhouse Estate Lahore)

SOM Lab

Client Reference: AHA:18

Ref: 5290(Page-1/1)

Dated: 10-11-2021

Dated: 11-11-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

S.No.	Weight	Dia. Nominal	Dia. Calculated	Area Nominal	Area Calculated	Yield Load	Ultimate Load	Yield Stress (according to nominal area)	Yield Stress (according to measured area)	Ult. Stress (according to nominal area)	Ult. Stress (according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in²	in²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.662	4	0.498	0.20	0.195	6.68	9.23	73630	75520	101730	104340	1.30	8.0	16.3	
2	0.659	4	0.497	0.20	0.194	6.07	9.33	66890	68950	102860	106040	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Witnessed By: Zeeshan Elahi (Site Supervisior)

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

Sajjad Haider Sh   **Test Performed By:**   **Dr. /Engr.**   Dr.Safeer Abbass

Manager NAM Associates,Lahore (MCB Bank, Town Ship)

SOM Lab

Client Reference: NAM-424/5   **Ref:**   5292(Page-1/1)

Dated: 12-11-2021   **Dated:**   11-11-2021

Test: Tension Test & Bend Test   **Test Specification:**   ASTM-A-615

Gauge Length: 8   inch   **Sample Type:**   Deformed Bar

S.No.	Weight	Dia. Nominal	Dia. Calculated	Area Nominal	Area Calculated	Yield Load	Ultimate Load	Yield Stress (according to nominal area)	Yield Stress (according to measured area)	Ult. Stress (according to nominal area)	Ult. Stress (according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in²	in²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.502	6	0.749	0.44	0.441	15.34	21.15	76900	76730	106020	105780	1.10	8.0	13.8	
2	0.665	4	0.498	0.20	0.195	7.59	10.47	83750	85890	115440	118400	0.80	8.0	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	**Note:-**
# 4	Sample bend through 180 degrees Satisfactorily without any crack	
		Only Four Samples Received and Tested

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