

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

By Dir MTL, Infra Dev Woks Sector -M (Exten), DHA Ph-V, (M/S AAJ Engrs)

Client Reference: 408/241/E/Lab/597/28

SOM Lab

Ref: 931(Page-1/1)

Dated: 29-05-2019

Dated: 03-06-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (S. J. 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	0.668	4	0.500	0.20	0.196	7.75	12.84	85430	87180	141630	144530	0.90	8.0	11.3	
2	0.663	4	0.498	0.20	0.195	7.54	12.44	83180	85320	137140	140650	0.80	8.0	10.0	
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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

Test Performed By: Dr. S. Asad Ali Gillani

Brig. ® Saeed Ahmed Malik
Resident Engineer NESPAK
1st Floor, Chief Engineer / EDO (W&S) Block,
Town Hall, Lower Mall Lahore

Client Reference: 3071/BSAM/104/2342,

Dated: 13-05-2019

SOM Laboratory Reference: CED/SOM/930(Page-1/1)

Dated: 03-06-2019

Test: Compression Strength and Flexural Strength Tests

Sample Type: Cat Eyes

Test Specification: ASTM-D4280

Test Results

Sr. No.	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Flexural Load (Kg)	Compression Load (Kg)
1	74.0 x 45.0	101.0 x 88.5	15.5	30.86°	1193.0	12232.0
2	74.0 x 45.0	101.0 x 88.5	15.5	30.86°	1142.0	11335.0

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

Test Performed By: Engr. Bilal Khokhar

Brig. ® Saeed Ahmed Malik
Resident Engineer NESPAK
1st Floor, Chief Engineer / EDO (W&S) Block,
Town Hall, Lower Mall Lahore

Client Reference: 3071/BSAM/104/2313,

Dated: 18-02-2019

SOM Laboratory Reference: CED/SOM/603(Page-2/2)

Dated: 05-04-2019

Test: Compression Strength and Flexural Strength Tests

Sample Type: Aluminum Stud

Test Specification: ASTM-D4280

Test Results

Sr. No.	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	120.0 x 53.0	150.0 x 92.5	42.0	60.20°	20336
2	120.0 x 53.0	150.0 x 92.5	42.0	60.20°	15240
3	120.0 x 53.0	150.0 x 92.5	42.0	60.20°	15851

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

