

DGM Civil (Line-IV)

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Maple Leaf Cement Iskandarabad, Dist. Mianwali.(Civil Works of Line-IV,MLCFL)

Client Reference: MLCFL/LINE-IV/CIVIL/2023/01

Dated: 21-12-2023

SOM Lab Ref: CED/SOM/3398(Page-1/1)

Dated: 21-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Almoiz Steel)

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	3.741	25	24.64	491	477	252.70	348.00	515	530	709	730	32.5	200	16.3	
2	3.907	25	25.17	491	498	252.00	350.20	513	507	713	704	27.5	200	13.8	
3	2.289	20	19.27	314	292	160.50	218.50	511	551	696	750	25.0	200	12.5	
4	2.250	20	19.10	314	287	159.70	217.50	508	558	692	759	25.0	200	12.5	
5	1.002	12	12.75	113	128	63.20	84.20	559	496	744	660	35.0	200	17.5	
6	1.005	12	12.77	113	128	68.70	94.00	607	537	831	735	32.5	200	16.3	
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BEND TEST:

25mm Sample bend through 180 degrees Satisfactorily without any crack

20mm Sample bend through 180 degrees Satisfactorily without any crack

12mm Sample bend through 180 degrees Satisfactorily without any crack

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

M.Arslan Khaleel

Test Performed By:

Dr. /Engr. Wasim Abbas

C/O M/S Amanah Noor Residence Wapda Town, Lahore.

Client Reference: Nil

SOM Lab

Ref: 3392 (Page-1/1)

Dated: 21-12-2023

Dated: 21-12-2023

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	2.686	8	1.002	0.79	0.789	26.42	32.90	73770	73860	91840	91950	1.50	8.0	18.8	
2	1.514	6	0.753	0.44	0.445	16.21	19.83	81240	80330	99380	98260	1.20	8.0	15.0	
3	0.599	4	0.473	0.20	0.176	6.52	7.75	71940	81750	85430	97080	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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

Al Jalil Developers

Test Performed By: Dr. /Engr. Asad Ali Gillani

PM AJD Lhr(Const Of Lahore Grammer School Building at Al Jalil Garden Housing Scheme Block G)

Client Reference: AJG-ST-LGS-03

SOM Lab

Ref: 3394 (Page-1/1)

Dated: 19-12-2023

Dated: 21-12-2023

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	0.646	4	0.492	0.20	0.190	5.71	8.63	62950	66260	95210	100220	1.20	8.0	15.0	
2	0.650	4	0.493	0.20	0.191	5.63	8.61	62050	64980	94990	99460	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

Syed Mohsin Ali RE

Test Performed By: Dr. /Engr. Asad Ali Gillani

QA/QC Deptt. Bahria Town Lhr. (Under Pass at Ali Foarm House Bahria Town Multan Rd Site Lhr)

Client Reference: QA/QC/Steel-3486

SOM Lab

Ref: 3395 (Page-1/1)

Dated: 21-12-2023

Dated: 21-12-2023

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	2.577	8	0.982	0.79	0.757	23.24	32.69	64890	67710	91270	95240	1.40	8.0	17.5	
2	2.601	8	0.986	0.79	0.764	23.65	33.25	66020	68270	92830	95990	1.50	8.0	18.8	
3	1.638	6	0.783	0.44	0.481	14.48	21.33	72560	66370	106890	97780	1.30	8.0	16.3	
4	1.643	6	0.784	0.44	0.483	14.78	21.36	74090	67490	107040	97520	1.50	8.0	18.8	
5	0.588	4	0.469	0.20	0.173	5.50	7.59	60700	70180	83750	96820	1.10	8.0	13.8	
6	0.584	4	0.468	0.20	0.172	5.56	7.61	61270	71240	83970	97640	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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

Tawasul Developers (Pvt) Ltd
Lahore (Creek Tower 6-D Upper Mall Lahore)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: Nil

SOM Lab

Ref: 3396 (Page-1/1)

Dated: 21-12-2023

Dated: 21-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

ASTM-A-615

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	2.651	8	0.996	0.79	0.779	27.52	38.20	76840	77920	106630	108140	1.30	8.0	16.3	
2	2.647	8	0.995	0.79	0.778	26.98	37.21	75330	76490	103870	105470	1.30	8.0	16.3	
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BEND TEST:

# 8	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

Punjab Aab-e-Pak Authority

Test Performed By: Dr. /Engr. Asad Ali Gillani

DM P&MC Rwp Div North Zone.(Provision Of Drinking Water Village Dhumali,Nirali Distt Rawalpindi)

Client Reference: PAPA/DM (P&MC)/RWP/12-07/06-10

SOM Lab

Ref: 3397 (Page-1/1)

Dated: 07-12-2023

Dated: 21-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mughal 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	0.656	4	0.496	0.20	0.193	7.00	8.87	77230	80030	97800	101340	1.00	8.0	12.5	
2	0.667	4	0.500	0.20	0.196	7.39	9.30	81500	83160	102520	104610	1.30	8.0	16.3	
3	0.670	4	0.501	0.20	0.197	7.51	9.38	82850	84110	103420	104990	1.20	8.0	15.0	
4	0.667	4	0.500	0.20	0.196	7.03	9.02	77560	79150	99480	101510	1.00	8.0	12.5	
5	0.668	4	0.500	0.20	0.196	7.16	9.17	78910	80520	101170	103230	1.00	8.0	12.5	
6	0.666	4	0.500	0.20	0.196	7.49	9.38	82620	84310	103420	105530	1.10	8.0	13.8	
7	0.672	4	0.501	0.20	0.197	7.21	9.14	79470	80690	100830	102370	1.30	8.0	16.3	
8	0.669	4	0.501	0.20	0.197	7.10	9.12	78350	79540	100610	102140	1.10	8.0	13.8	
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BEND TEST:

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

Test Performed By: S. Asad Ali Gillani

Atique Ahmed
Resident Engineer
NESPAK Lahore.

(Remodeling and Upgradation of Ada Nullah & Walton Road Lahore) (Pkg-II)
(Construction Of Flyover at Ghora Chowk Lahore)

Client Reference: 4322/13/CAA/09/140

Dated: 18-12-2023

SOM Laboratory Reference: CED/SOM/3393(Page-1/2)

Dated: 21-12-2023

Test: Compression Tests

Sample Type: CAT – EYES

Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	Cat-Eyes White	82.4 x 71.3	99.5 x 99.1	17.80	60.96°	39246
2	Cat-Eyes White	82.4 x 71.2	99.4 x 99.1	17.80	61.26°	37513
3	Cat-Eyes Yellow	82.2 x 71.1	99.4 x 98.9	17.70	60.66°	36493
4	Cat-Eyes Yellow	82.3 x 71.2	99.4 x 98.9	17.70	60.96°	40163

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

Test Performed By: S. Asad Ali Gillani

Atique Ahmed
Resident Engineer
NESPAK Lahore.
(Remodeling and Upgradation of Ada Nullah & Walton Road Lahore) (Pkg-II)
(Construction of Flyover at Ghora Chowk Lahore)

Client Reference: 4322/13/CAA/09/140

Dated: 18-12-2023

SOM Laboratory Reference: CED/SOM/3393(Page-2/2)

Dated: 21-12-2023

Test: Flexural Tests

Sample Type: CAT – EYES

Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Flexural Load (Kg)
1	Cat-Eyes White	82.4 x 71.3	99.4 x 99.0	17.80	61.26°	140801
2	Cat-Eyes White	82.3 x 71.2	99.3 x 99.1	17.70	61.10°	14730
3	Cat-Eyes Yellow	82.2 x 71.1	99.2 x 99.0	17.70	60.94°	13884
4	Cat-Eyes Yellow	82.3 x 71.2	99.3 x 99.0	17.80	61.10°	13609

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

