

Tahir Mehmood

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

CE New Lahore City.(Const Of Monument (Zaitoon Life Style) By M/S Stallion Steel Engg.Lahore)

Client Reference: ZLS/CE/0161

Dated : 09-10-2023

SOM Lab Ref: CED/SOM/2986 (Page-1/1)

Dated : 10-10-2023

Test: Tension Test

Test Specification: ASTM-F-1554

Sample Type: J- Bolts

Gauge Length: 200 m

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	m	%	
1	3.476	24	23.75	380	443	186.00	278.00	489	420	731	628	35.0	200	17.5	
2	3.486	24	23.78	380	444	171.00	278.50	450	386	733	628	42.5	200	21.3	
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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

Jaffar Rashid

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

AGM Projects, Izhar Const.(Pvt) Ltd.Lahore.(Const Of Dolmen Shopping Mall DHA Lahore)

Client Reference: ICPL/CONST-DML/21/422

Dated : 09-10-2023

SOM Lab Ref: CED/SOM/2987(Page-1/1)

Dated : 10-10-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Batala Premium)

Gauge Length: 200 m

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	m	%	
1	0.998	12	12.72	113	127	59.70	83.00	528	471	734	654	25.0	200	12.5	
2	0.993	12	12.69	113	127	65.50	88.20	579	518	780	697	27.5	200	13.8	
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BEND TEST:

12mm	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

EnMasse Pvt Ltd.

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

Manager T/L Projects Lahore.(Const Of Electrical Equipment Foundation, 132KV G/Station Dokri)

Client Reference: EnMasse/SEPCO/1010-01

Dated : 10-10-2023

SOM Lab Ref: CED/SOM/2990(Page-1/1)

Dated : 10-10-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Itehad Steel)

Gauge Length: 200 m

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	m	%	
1	2.471	19	20.03	284	315	154.50	194.50	545	491	686	618	25.0	200	12.5	
2	2.491	19	20.10	284	317	159.50	197.00	563	503	695	621	25.0	200	12.5	
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Witnessed By: Engr.Muhammad Zubair, Engr. Taimoor Ali Khan

BEND TEST:

19mm	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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector L)

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

Client Reference: 111/15/AD/RS/Lab/Sec L/491

SOM Lab

Ref: 2988 (Page-1/1)

Dated: 05-10-2023

Dated: 10-10-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Sheikhoo 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	2.647	8	0.995	0.79	0.778	24.72	33.74	69010	70080	94200	95650	1.60	8.00	20.00	
2	2.641	8	0.994	0.79	0.776	23.80	33.15	66450	67650	92550	94220	1.60	8.00	20.00	
3	1.494	6	0.748	0.44	0.439	13.71	18.96	68730	68880	95040	95250	1.50	8.00	18.88	
4	1.491	6	0.747	0.44	0.438	13.20	18.78	66170	66470	94120	94550	1.50	8.00	18.88	
5	0.658	4	0.496	0.20	0.193	6.49	8.72	71610	74200	96110	99600	1.20	8.00	15.00	
6	0.671	4	0.501	0.20	0.197	6.63	8.87	73070	74180	97800	99290	1.20	8.00	15.00	
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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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector L)

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

Client Reference: 111/15/AD/RS/Lab/Sec L/496

SOM Lab

Ref: 2989 (Page-1/1)

Dated: 05-10-2023

Dated: 10-10-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	1.47 4	6	0.74 3	0.4 4	0.43 3	14.02	18.55	70260	71390	92990	94500	1.3 0	8. 0	16. 3	
2	1.47 3	6	0.74 3	0.4 4	0.43 3	13.68	18.40	68570	69680	92230	93720	1.5 0	8. 0	18. 8	
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BEND TEST:

# 6	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

Yasir Ahmad
GM-Works FF Steel Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 2992 (Page-1/1)

Dated: 09-10-2023

Dated: 10-10-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (FF

Gauge Length: 8 inch

Sample Type:

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	1.47 3	6	0.74 3	0.4 4	0.43 3	14.32	19.24	71790	72950	96420	97980	1.4 0	8. 0	17. 5	1
2	1.47 2	6	0.74 3	0.4 4	0.43 3	14.17	19.18	71020	72170	96160	97720	1.3 0	8. 0	16. 3	2
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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