

Mohammad Sibtain

Test Performed By: Dr. /Engr. Bilal A. Khiokhar

Resident Engineer, DHQ Khanewal, (Project: Revamping Of Existing Hospital, Mainchannu.)

Client Reference: AEC/KWL/41

Dated: 11-04-2019

SOM Lab Ref: CED/SOM/864 (Page-1/1)

Dated: 21-05-2019

Test: Tension Test

Test Specification: ASTM-F-1554

Sample Type: J - Bolt

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	1.542	16	15.80	201	196	83.60	124.00	416	427	617	633	15.0	50	30.0	
2	1.523	16	15.72	201	194	72.20	106.70	359	373	531	550	17.5	50	35.0	
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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

Abid Sultan
Admin Manager, Variant, 25-t-Gulberg- 2, Lahore

Test Performed By: Dr. /Engr. M Rizwan Azam

Client Reference: VA/23/130

SOM Lab 857(Page-

Ref: 1/1)

Dated: 20-05-2019

Dated: 21-05-2019

Test: Tension & Bend Test

Test Specification:

ASTM-A-615

Guage 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	1.488	6	0.746	0.44	0.437	14.68	19.11	73580	74080	95800	96460	1.40	8.0	17.5	
2	0.653	4	0.494	0.20	0.192	5.45	8.15	60140	62650	89930	93680	1.20	8.0	15.0	
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BEND TEST:

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

Shahid Raza Jaffari
Asstt. Executive Engineer-I, Central Civil Division-II, Pak PWD, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: AEE-I / LCCD-II /LHR/34

SOM Lab

Ref: 859(Page-1/1)

Dated: 06-05-2019

Dated: 21-06-2018

Test: Tension Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.637	8	0.993	0.79	0.775	28.00	33.86	78180	79690	94540	96370	1.20	8.0	15.0	
2	2.647	8	0.995	0.79	0.778	26.71	34.81	74560	75710	97190	98680	1.10	8.0	13.8	
3	1.630	6	0.781	0.44	0.479	19.27	22.83	96570	88710	114450	105130	0.90	8.0	11.3	
4	1.634	6	0.782	0.44	0.480	19.18	22.75	96160	88150	114040	104540	0.80	8.0	10.0	
5	1.024	5	0.619	0.31	0.301	9.91	12.56	70490	72600	89350	92020	1.00	8.0	12.5	
6	1.011	5	0.615	0.31	0.297	10.86	13.20	77240	80620	93920	98030	1.00	8.0	12.5	
7	0.660	4	0.497	0.20	0.194	5.52	8.46	60930	62810	93300	96190	1.20	8.0	15.0	
8	0.664	4	0.498	0.20	0.195	5.35	9.94	59020	60530	109600	112410	1.10	8.0	13.8	
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BEND TEST:

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

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

Azadar Hussain

Test Performed By:

Dr. /Engr.

Abdur Rehman

Deputy Project Manager, Elite Engineering Pvt. Ltd, Lahore(Project Show Room)

Client Reference: Nil

SOM Lab

Ref:

861(Page-1/1)

Dated: 18-05-2019

Dated:

21-05-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.644	8	0.995	0.79	0.777	25.91	36.09	72340	73550	100740	102430	1.40	8.0	17.5	
2	2.618	8	0.990	0.79	0.769	25.18	35.44	70290	72210	98950	101650	1.30	8.0	16.3	
3	1.492	6	0.747	0.44	0.438	14.27	19.75	71540	71860	98970	99420	1.20	8.0	15.0	
4	1.481	6	0.744	0.44	0.435	14.02	19.62	70260	71070	98360	99490	1.50	8.0	18.8	
5	0.648	4	0.492	0.20	0.190	7.44	9.23	82060	86380	101730	107090	1.30	8.0	16.3	
6	0.654	4	0.494	0.20	0.192	6.88	9.28	75880	79040	102290	106560	1.30	8.0	16.3	
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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

Abdullah Khadim
Resident Engineer, DAR Engineering

Test Performed By: Dr. /Engr. M Rizwan Azam

Client Reference: DB-78/DAR/RE/ME/2019/0195

SOM Lab

Ref: 862(Page-1/1)

Dated: 20-05-2019

Dated: 21-05-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar(Kamran Steel)

Gauge Length: 8 inch

Sample Type:

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	0.657	4	0.496	0.20	0.193	6.03	8.69	66550	68960	95770	99250	1.30	8.0	16.3	A-34
2	0.656	4	0.496	0.20	0.193	5.98	8.69	65990	68380	95770	99250	1.50	8.0	18.8	A-34
3	0.662	4	0.498	0.20	0.195	6.03	8.72	66550	68250	96110	98580	1.40	8.0	17.5	M-41
4	0.661	4	0.497	0.20	0.194	5.98	8.66	65990	68030	95550	98500	1.10	8.0	13.8	M-41
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BEND TEST:

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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: CONC - 20190521

SOM Lab

Ref: 863(Page-1/1)

Dated: 21-05-2019

Dated: 21-05-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Model Power)

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	2.695	8	1.004	0.79	0.792	26.98	34.93	75330	75140	97530	97280	1.10	8.0	13.8	
2	2.755	8	1.016	0.79	0.810	30.33	37.48	84660	82570	104640	102060	1.40	8.0	17.5	
3	2.715	8	1.008	0.79	0.798	29.02	36.19	81020	80210	101030	100010	1.10	8.0	13.8	
4	0.645	4	0.492	0.20	0.190	6.78	8.66	74750	78690	95550	100580	0.90	8.0	11.3	
5	0.627	4	0.484	0.20	0.184	7.08	8.87	78130	84920	97800	106300	0.90	8.0	11.3	
6	0.633	4	0.487	0.20	0.186	7.39	8.99	81500	87630	99150	106610	1.10	8.0	13.8	
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BEND TEST:

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