

Al-Mumtaz Engineers & Contractor

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

House # 136-C T&T Socity Muslim Nagar Jatti Umra Road Raiwind, Lahore

Client Reference: nil

Dated: 09-11-2020

SOM Lab Ref: CED/SOM/3229(Page-1/1)

Dated: 09-11-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

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	3.851	25	25.00	491	491	273.00	327.70	556	557	668	668	27.5	200	13.8	
2	3.831	25	24.93	491	488	277.20	337.00	565	569	687	691	32.5	200	16.3	
3	1.558	16	15.90	201	198	113.70	139.00	565	573	691	701	32.5	200	16.3	
4	1.561	16	15.91	201	199	114.50	138.70	569	576	690	698	27.5	200	13.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
16mm	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

Sohail Afzal

Test Performed By:

Dr. /Engr.

Nauman Khurram

Sr. Project Manager, IZHAR Construction (Pvt) Ltd. , Izhar Group of Companies Lahore

Client Reference: ICPL/CONST-DML/20/28

Dated: 09-11-2020

SOM Lab Ref: CED/SOM/3233(Page-1/1)

Dated: 09-11-2020

Test: Tension Test & bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(Amreli 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	1.545	16	15.84	201	197	115.00	131.50	572	584	654	668	25.0	200	12.5	
2	1.554	16	15.88	201	198	111.50	128.00	555	564	637	647	25.0	200	12.5	
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BEND TEST:

16mm	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

Engr. Asghal Ali

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Sub Engineer, Saleem & Company, Power House, Pride Mill, Faisalabad Road, Johal

Client Reference: nil

SOM Lab

Ref: 3222(Page-1/1)

Dated: 09-11-2020

Dated: 09-11-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	2.541	8	0.975	0.79	0.747	26.35	35.65	73570	77800	99520	105250	1.10	8.0	13.8	
2	1.511	6	0.752	0.44	0.444	15.75	20.87	78940	78230	104590	103650	1.50	8.0	18.8	
3	0.573	4	0.462	0.20	0.168	4.96	7.14	54750	65170	78690	93680	1.40	8.0	17.5	
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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

Azhar Salim Sheikh
Material Engineer JIPC, JIP Consultants Jalalpur Shrif

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: JIPIC/TECH/CRE/130

Dated: 09-11-2020

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref: 3223(Page-1/1)

Dated: 09-11-2020

ASTM-A-615

Deformed Bar(Pak
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	2.684	8	1.002	0.79	0.789	27.27	34.58	76130	76220	96530	96650	1.20	8.0	15.0	
2	2.688	8	1.003	0.79	0.790	27.42	34.78	76550	76550	97100	97100	1.30	8.0	16.3	
3	1.506	6	0.751	0.44	0.443	15.09	19.88	75620	75110	99640	98960	1.30	8.0	16.3	
4	1.486	6	0.746	0.44	0.437	15.16	19.75	75980	76500	98970	99650	1.30	8.0	16.3	
5	1.069	5	0.632	0.31	0.314	10.88	14.39	77380	76400	102400	101100	1.20	8.0	15.0	
6	1.056	5	0.628	0.31	0.310	10.40	14.02	73970	73970	99720	99720	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	
# 5	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

Azhar Salim Sheikh
 Material engineer JIPC, JIP Consultants Jalalpur Sheif

Test Performed By: Dr. /Engr.

S. Asad Ali
 Gillani

Client Reference: JIPIC/Tech/CRE/131

Dated: 09-11-2020

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref: 3224(Page-1/1)

Dated: 09-11-2020

ASTM-A-615

Deformed Bar(Pak
 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	0.995	5	0.610	0.31	0.292	11.28	14.90	80280	85230	106030	112560	1.30	8.0	16.3	
2	0.947	5	0.595	0.31	0.278	13.76	20.76	97910	109170	147730	164730	0.70	8.0	8.8	
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BEND TEST:

# 5	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

Umair Yousaf

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Project Manager, MA Engg. Services, Lahore(Project: Commercial Plaza at Al Rehman Garden Lahore)

Client Reference: MA/UETL/008

SOM Lab

Ref:

3225 (Page-1/1)

Dated: 09-11-2020

Dated:

09-11-2020

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	21.68	30.33	60530	63170	84660	88350	1.40	8.0	17.5	
2	2.564	8	0.980	0.79	0.754	21.78	30.38	60820	63720	84810	88860	1.60	8.0	20.0	
3	0.664	4	0.498	0.20	0.195	6.70	8.48	73850	75750	93530	95920	1.10	8.0	13.8	
4	0.675	4	0.502	0.20	0.198	6.95	8.77	76660	77440	96670	97650	1.20	8.0	15.0	
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BEND TEST:

# 8	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

Sub Divisional Officer
PHE, Sub Division, Karor Lal Easan, Layyah

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

Client Reference: 695 -96

SOM Lab

Ref: 3228(Page-1/1)

Dated: 25-07-2020

Dated: 09-11-2020

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	0.641	4	0.489	0.20	0.188	5.32	7.62	58680	62430	84080	89450	1.30	8.0	16.3	
2	0.634	4	0.487	0.20	0.186	4.94	7.36	54520	58620	81160	87270	1.40	8.0	17.5	
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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