

Engr. Zaheer Ud Din Babar

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Dy. General Manager Project,HRL.(Const Of Sky Gardens Tower, Lahore)

Client Reference: HRLE/SKG/2022/018

Dated: 05-04-2022

SOM Lab Ref: CED/SOM/110(Page-1/1)

Dated: 05-04-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A 615

Sample Type: M S 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	3.820	25	24.90	491	487	212.50	338.70	433	437	690	696	42.5	200	21.3	
2	3.813	25	24.87	491	486	207.50	338.70	423	428	690	698	37.5	200	18.8	
3	3.823	25	24.90	491	487	211.70	337.20	431	435	687	693	40.0	200	20.0	
4	3.751	25	24.67	491	478	203.70	330.50	415	427	673	692	35.0	200	17.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Six Samples Received and Tested</p>
25mm	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, Test Performed By: Dr. /Engr. Asad Ali Gillani
 BSD Khushab(School Education Sec Up Gradation Of GBHS To Higher Scondary Level Distt Khushab)

Client Reference: 96/K SOM Lab Ref: 111 (Page-1/2)
 Dated: 16-02-2022 Dated: 05-04-2022
 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	1.501	6	0.749	0.44	0.441	15.19	18.88	76130	75960	94630	94410	1.30	8.0	16.3	
2	0.680	4	0.505	0.20	0.200	7.56	8.89	83410	83410	98020	98020	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

Sub Divisional officer,
 BSD Khushab.(Primary And Scondary Health Care Sector,Khushab)

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

Client Reference: 92/K

SOM Lab

Ref: 111 (Page-2/2)

Dated: 15-02-2022

Dated: 05-04-2022

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	1.483	6	0.745	0.44	0.436	15.21	18.88	76240	76940	94630	95500	1.30	8.0	16.3	
2	0.677	4	0.503	0.20	0.199	7.49	8.89	82620	83040	98020	98510	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

Engr. Javed Asad

Test Performed By:

Dr. /Engr.

S Asad Ali
Gillani

CRE JIP Consultants.(Const.of Jalapur Irrigation Canal and Its System)(No.JIP/Wks/ICB/P3)

SOM Lab

Client Reference: JIPIC/TECH//CRE/P3/80

Ref:

112 (Page-1/1)

Dated: 04-04-2022

Dated:

05-04-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	2.635	8	0.993	0.79	0.774	26.81	34.53	74850	76390	96390	98380	1.20	8.0	15.0	
2	2.663	8	0.998	0.79	0.783	26.88	34.42	75050	75720	96100	96960	1.20	8.0	15.0	
3	1.493	6	0.748	0.44	0.439	14.65	19.39	73430	73590	97180	97410	1.00	8.0	12.5	
4	1.506	6	0.751	0.44	0.443	15.75	19.80	78940	78410	99230	98560	1.10	8.0	13.8	
5	1.060	5	0.630	0.31	0.312	12.30	15.36	87540	86970	109290	108590	1.50	8.0	18.8	
6	1.060	5	0.630	0.31	0.312	12.20	15.39	86810	86250	109510	108810	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	
# 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

Engr. Javed Asad

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

CRE JIP Consultants.(Const.of Jalapur Irrigation Canal and Its System)(No.JIP/WkS/ICB/P3)

Client Reference: JIPIC/TECH/CRE/P3/79

SOM Lab

Ref: 113 (Page-1/1)

Dated: 04-04-2022

Dated: 05-04-2022

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	1.489	6	0.747	0.44	0.438	16.36	20.05	82010	82380	100500	100960	1.10	8.0	13.8	Mughal
2	1.484	6	0.745	0.44	0.436	16.33	19.95	81860	82610	99990	100910	1.30	8.0	16.3	Mughal
3	1.520	6	0.754	0.44	0.447	15.29	20.00	76640	75440	100250	98680	1.20	8.0	15.0	Ittefaq
4	1.516	6	0.754	0.44	0.446	14.95	19.57	74960	73950	98100	96780	1.30	8.0	16.3	Ittefaq
5	1.061	5	0.630	0.31	0.312	10.83	13.46	77020	76530	95730	95120	1.30	8.0	16.3	Mughal
6	1.062	5	0.630	0.31	0.312	10.93	13.71	77750	77250	97540	96920	1.10	8.0	13.8	Mughal
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BEND TEST:

# 6	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

Building Research Station
Assistant Director-I, Lahore. (A/18, S.I.T.E Karachi)

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

Client Reference: 154-R/872

SOM Lab

Ref: 115 (Page-1/1)

Dated: 31-03-2022

Dated: 05-04-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Amreli 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	2.679	8	1.001	0.79	0.787	27.83	35.83	77690	77990	100030	100410	1.50	8.0	18.8	
2	1.492	6	0.747	0.44	0.438	16.67	19.80	83540	83920	99230	99680	1.30	8.0	16.3	
3	0.671	4	0.501	0.20	0.197	6.78	8.63	74750	75890	95210	96660	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

Deputy Director (Engg)

Test Performed By:

Dr. /Engr. S Asad Ali Gillani

LDA,Lahore.(Const Of 200 Bus Stop Shelters Including Bus Information And Scheduling System In Lhr)

Client Reference: DD(Engg.)/LDA/16

SOM Lab Ref: 116 (Page-1/1)

Dated: 01-04-2022

Dated: 05-04-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-F-1554

Gauge Length: 8 inch

Sample Type:

J-Bolt

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)				
1	1.657	6	0.787	0.44	0.487	11.98	18.20	60040	54250	91210	82400	2.00	8.0	25.0	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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