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

The University Of Lahore.(lahore Business School- UOL)(Westcon Const.Pvt.Ltd)

Client Reference: Nil **SOM Lab Ref:** 6036 (Page-1/1)

Dated: 09-03-2022 **Dated:** 10-03-2022

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	2.631	8	0.992	0.79	0.773	26.55	33.56	74140	75770	93680	95750	1.30	8.0	16.3	
2	2.633	8	0.993	0.79	0.774	26.20	33.33	73140	74650	93060	94980	1.20	8.0	15.0	
3	1.392	6	0.722	0.44	0.409	18.73	21.66	93860	100980	108580	116810	1.00	8.0	12.5	
4	1.396	6	0.723	0.44	0.410	18.86	21.73	94530	101440	108940	116910	1.00	8.0	12.5	
5	0.658	4	0.496	0.20	0.193	6.70	8.72	73850	76530	96110	99600	1.40	8.0	17.5	
6	0.654	4	0.494	0.20	0.192	6.83	8.87	75320	78450	97800	101870	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

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

RE Zeroline Bridge,Kartarpur.(Const. Of Bridge At Zero line Kartarpur Sb Corridor)

Client Reference: 4371/021/TA/01/020 **SOM Lab Ref:** 6037 (Page-1/1)

Dated: 09-03-2022 **Dated:** 10-03-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Nomi 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	2.630	8	0.992	0.79	0.773	25.28	33.59	70580	72130	93770	95830	1.40	8.0	17.5	
2	2.604	8	0.987	0.79	0.765	25.08	33.13	70010	72300	92490	95510	1.50	8.0	18.8	
3	0.674	4	0.502	0.20	0.198	5.98	9.38	65990	66650	103420	104460	1.00	8.0	12.5	
4	0.668	4	0.500	0.20	0.196	5.93	9.40	65420	66760	103640	105760	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Sub Divisional officer,
BSD Nankana Sahib.(Baba Guru Nanak University At Nankana Sahib (Ph-I) Group No.1)

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

Client Reference: 813/SDO/BSD/NNS
Dated: 28-02-2022

SOM Lab Ref: 6038 (Page-1/1)
Dated: 10-03-2022

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.736	8	1.012	0.79	0.804	26.07	35.88	72770	71500	100170	98430	1.20	8.0	15.0	
2	1.504	6	0.750	0.44	0.442	12.81	18.20	64230	63940	91210	90790	1.40	8.0	17.5	
3	0.673	4	0.502	0.20	0.198	6.07	8.23	66890	67560	90720	91630	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Israr Ullah Khan **Test Performed By:** **Dr. /Engr.** S.Asad Ali Gillani

RE Nespak.(Const. of underpass Across Bedian Rd. Connecting Ph-VI with Ph-IX,DHA LHR)

Client Reference: 3790/102/IUK/UET/02/58 **SOM Lab Ref:** 6039 (Page-1/1)

Dated: 10-03-2022 **Dated:** 10-03-2022

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (SJ 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	1.403	6	0.724	0.44	0.412	14.53	19.32	72810	77760	96830	103410	1.30	8.0	16.3	
2	1.402	6	0.724	0.44	0.412	14.58	19.39	73070	78030	97180	103790	1.20	8.0	15.0	
3	0.654	4	0.494	0.20	0.192	6.93	9.02	76440	79620	99480	103630	1.10	8.0	13.8	
4	0.676	4	0.503	0.20	0.199	7.19	9.23	79250	79650	101730	102240	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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