

Haris & Company
Lahore.(Project: LHR-GRO-1) (Site ID LHR6320)

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

Client Reference: 0015
SOM Lab Ref: CED/SOM/5823(Page-1/1)
Test: Tension Test & Bend Test
Sample Type: M S Deformed Bar

Dated: 07-02-2022
Dated: 07-02-2022
Test Specification: ASTM-A 615
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	3.800	25	24.82	491	484	220.50	300.50	449	456	612	621	35.0	200	17.5	
2	2.217	20	18.96	314	282	135.20	185.50	430	479	590	657	30.0	200	15.0	
3	1.503	16	15.62	201	192	104.50	134.00	520	546	666	700	27.5	200	13.8	
4	1.010	12	12.80	113	129	67.20	89.20	594	523	789	694	22.5	200	11.3	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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. Bilal

Building Sub Div Kasur.(Const. Of 3-Nos Class Rooms In Govt. Graduate College For Women Kasur)

Client Reference: 649

SOM Lab 5819 (Page-

Ref: 1/1)

Dated: 02-02-2022

Dated: 07-02-2022

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	1.537	6	0.759	0.44	0.452	15.41	20.54	77260	75210	102960	100220	1.30	8.0	16.3	
2	1.494	6	0.748	0.44	0.439	13.61	18.47	68210	68370	92590	92800	1.40	8.0	17.5	
3	0.673	4	0.502	0.20	0.198	7.41	9.38	81720	82550	103420	104460	1.40	8.0	17.5	
4	0.673	4	0.502	0.20	0.198	7.03	9.07	77560	78350	100050	101060	1.40	8.0	17.5	
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BEND TEST:

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

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

Engr. Hasan Nawaz

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CM Zameen Quadrangle.(Const. Of Zameen Quadrangle at Plot No.49,Gulberg-V Lahore)

Client Reference: ZD/ZQ/GSW/017

SOM Lab 5820 (Page-

Ref: 1/1)

Dated: 03-02-2022

Dated: 07-02-2022

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	2.738	8	1.012	0.79	0.805	25.91	36.21	72340	70990	101080	99200	1.40	8.0	17.5	
2	2.582	8	0.983	0.79	0.759	26.22	35.55	73200	76190	99230	103290	1.30	8.0	16.3	
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BEND TEST:

# 8	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. 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/P2)

Client Reference: JIPIC/TECH/P2/CRE/38

SOM Lab 5821(Page-

Ref: 1/1)

Dated: 04-02-2022

Dated: 07-02-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Pak 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	1.652	6	0.786	0.44	0.485	17.13	22.29	85840	77880	111750	101380	1.50	8.0	18.8	
2	1.647	6	0.785	0.44	0.484	17.18	22.40	86100	78270	112260	102050	1.20	8.0	15.0	
3	1.075	5	0.634	0.31	0.316	10.75	14.24	76510	75060	101310	99390	1.10	8.0	13.8	
4	1.080	5	0.635	0.31	0.317	10.16	13.53	72310	70710	96240	94110	1.00	8.0	12.5	
5	0.617	4	0.480	0.20	0.181	6.49	7.97	71610	79120	87910	97130	0.90	8.0	11.3	
6	0.617	4	0.480	0.20	0.181	6.42	8.02	70820	78250	88470	97750	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 5	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

Sub Divisional officer,

Test Performed By:

Dr. /Engr. Amina Rajpoot

HSD Haroonabad.(Widening & Improvement Of Rd From Haroonabad To Fortabbas L 53:20Km)

Client Reference: 187/WC BWN

SOM Lab 5822 (Page-

Ref: 1/1)

Dated: 26-01-2022

Dated: 07-02-2022

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	2.712	8	1.007	0.79	0.797	27.22	37.48	75980	75320	104640	103720	1.00	8.0	12.5	
2	2.686	8	1.002	0.79	0.789	26.40	34.32	73710	73800	95820	95940	1.00	8.0	12.5	
3	1.497	6	0.748	0.44	0.440	17.53	21.53	87880	87880	107910	107910	1.00	8.0	12.5	
4	1.508	6	0.751	0.44	0.443	17.38	21.33	87120	86530	106890	106170	1.00	8.0	12.5	
5	0.673	4	0.502	0.20	0.198	6.19	9.23	68230	68920	101730	102760	1.10	8.0	13.8	
6	0.681	4	0.505	0.20	0.200	6.24	9.30	68800	68800	102520	102520	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

Muhammad Umair Muddassir

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Major For Commanding officer, 11 Engineer Battalion Skp. (KSK Interchange Extension Project)

Client Reference: 607/General/project

SOM Lab

5824 (Page-

Ref:

1/1)

Dated: February 2022

Dated:

07-02-2022

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	0.554	4	0.456	0.20	0.163	5.05	7.85	55650	68280	86560	106200	0.90	8.0	11.3	
2	0.555	4	0.456	0.20	0.163	5.10	7.70	56210	68960	84870	104130	0.80	8.0	10.0	
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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

M.Nadeem Zafar Ullah

Test Performed By:

Dr. /Engr. S Asad Ali Gillani

Incharge (Civil),Sui Northern Gas Pipelines Ltd.(Const. of Store Shed at Regional Distribution Office)

Client Reference: CC/S.Shed/Lhr/01

SOM Lab 5825 (Page-

Ref: 1/1)

Dated: 04-02-2022

Dated: 07-02-2022

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	2.607	8	0.988	0.79	0.766	24.41	34.37	68160	70290	95960	98970	1.20	8.0	15.0	
2	0.662	4	0.498	0.20	0.195	6.03	8.26	66550	68250	91050	93390	1.20	8.0	15.0	
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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

Safdar Iqbal

Test Performed By:

Dr. /Engr. Irfan Ul Hasan

AE AGE(Army)-II Gwa.(Const. Of 1 x 64 Men SM Bk No. 2 For ISSB Gwa)

Client Reference: 6000-961/41/E-6

SOM Lab 5826 (Page-

Ref: 1/3)

Dated: 31-01-2022

Dated: 07-02-2022

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	0.665	4	0.498	0.20	0.195	6.39	8.72	70480	72290	96110	98580	1.00	8.0	12.5	
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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

Safdar Iqbal

Test Performed By:

Dr. /Engr.

Irfan Ul Hasan

AE AGE(Army)-II Gwa.(Const. Of 1 x 300 Men Exam Hall For ISSB Gwa)

Client Reference: 6000-962/44/E-6

SOM Lab

5826 (Page-

Ref:

2/3)

Dated: 31-01-2022

Dated:

07-02-2022

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	2.694	8	1.004	0.79	0.792	22.39	36.70	62500	62340	102450	102190	1.20	8.0	15.0	
2	1.504	6	0.750	0.44	0.442	13.97	18.37	70000	69690	92070	91660	1.50	8.0	18.8	
3	0.984	5	0.607	0.31	0.289	8.15	12.00	58020	62240	85360	91560	1.30	8.0	16.3	
4	0.655	4	0.494	0.20	0.192	7.05	9.17	77790	81030	101170	105380	1.10	8.0	13.8	
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BEND TEST:

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No Bend test performed

Note:-Only Four Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Safdar Iqbal

Test Performed By:

Dr. /Engr. Irfan Ul Hasan

AE AGE(Army)-II Gwa(Dev Of Full Flight Simulator (FFS) Project MI-17 At Rahwali Army Avn Base)

Client Reference: 6000-943/39/E-6

SOM Lab 5826 (Page-

Ref: 3/3)

Dated: 31-01-2022

Dated: 07-02-2022

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	2.411	8	0.950	0.79	0.709	18.76	30.78	52370	58350	85940	95760	1.30	8.0	16.3	
2	1.477	6	0.743	0.44	0.434	13.35	20.31	66940	67860	101780	103190	1.50	8.0	18.8	
3	0.665	4	0.498	0.20	0.195	6.63	8.74	73070	74940	96340	98810	1.00	8.0	12.5	
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BEND TEST:

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

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