

Babar Ali

Test Performed By: Dr. /Engr. Rehan Ashrif

Const. Manager, Guarantee Engrs.(Pvt)Ltd (Beaconhouse School System TNS 2.0 Gulberg-III Lahore)

Client Reference: TNS/GE/ST/011

Dated: 13-03-2022

SOM Lab Ref: CED/SOM/6055(Page-1/1)

Dated: 14-03-2022

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	2.260	20	19.15	314	288	147.70	187.00	470	513	595	650	35.0	200	17.5	
2	2.241	20	19.07	314	285	139.50	183.00	444	489	583	642	35.0	200	17.5	
3	0.993	12	12.69	113	127	65.50	85.20	579	518	753	674	32.5	200	16.3	
4	1.020	12	12.86	113	130	60.70	84.00	537	468	743	647	32.5	200	16.3	
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Witnessed By: M.Ali Khan

BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
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

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/CRE/P2/64

SOM Lab

Ref: 6051 (Page-1/1)

Dated: 10-03-2022

Dated: 14-03-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SGI 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	2.698	8	1.005	0.79	0.793	24.67	38.43	68870	68610	107290	106880	1.10	8.0	13.8	
2	2.698	8	1.005	0.79	0.793	25.08	38.81	70010	69740	108340	107930	1.00	8.0	12.5	
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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

Muhammad Imran Hafeez
Sr. Engr (Civil), WASO, PAEC, BINO Bahawalpur.

Test Performed By: Dr. /Engr. Rehan Ashraf

Client Reference: WASO-BINO-21-002

SOM Lab

Ref: 6052 (Page-1/1)

Dated: 11-03-2022

Dated: 14-03-2022

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	2.698	8	1.005	0.79	0.793	26.30	34.91	73420	73150	97470	97100	1.30	8.0	16.3	
2	2.696	8	1.004	0.79	0.792	26.40	35.07	73710	73520	97900	97650	1.40	8.0	17.5	
3	1.537	6	0.759	0.44	0.452	13.93	19.78	69850	67990	99130	96490	1.50	8.0	18.8	
4	1.538	6	0.759	0.44	0.452	13.88	19.80	69590	67750	99230	96590	1.50	8.0	18.8	
5	0.668	4	0.500	0.20	0.196	6.42	8.79	70820	72270	96900	98880	1.50	8.0	18.8	
6	0.667	4	0.500	0.20	0.196	6.44	8.77	71040	72490	96670	98650	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

M. Muneeb

Test Performed By:

Dr. /Engr. Rehan Ashraf

Planning & Coodination Engr. REDO Engg & Construction Pvt.Ltd.

Client Reference: Nil

SOM Lab

Ref: 6053 (Page-1/1)

Dated: 14-03-2022

Dated: 14-03-2022

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	1.051	5	0.627	0.31	0.309	9.19	13.10	65420	65630	93190	93490	1.30	8.0	16.3	
2	1.049	5	0.626	0.31	0.308	9.38	13.17	66720	67160	93700	94310	1.40	8.0	17.5	
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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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/0178
Dated: 12-03-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 6054 (Page-1/1)
Dated: 14-03-2022
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	1.485	6	0.745	0.44	0.436	13.20	18.76	66170	66780	94020	94880	1.30	8.0	16.3	
2	1.452	6	0.737	0.44	0.427	12.69	18.76	63620	65550	94020	96880	1.30	8.0	16.3	
3	1.486	6	0.746	0.44	0.437	13.00	18.65	65150	65600	93510	94150	1.40	8.0	17.5	
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Witnessed By: Engr.Rafi Ullah (IHPL) & Ali Hussnain Khan (K.B)

BEND TEST:

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

Beacon Impex Pvt.Ltd.

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

Fsd.(Const. Of Multi storey Bldg On Front Of Ware House At Beacon Impex Faisalabad)

Client Reference: Nil

SOM Lab

Ref: 6056 (Page-1/1)

Dated: 14-03-2022

Dated: 14-03-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Kisan 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	2.521	8	0.971	0.79	0.741	21.15	31.40	59050	62960	87650	93450	1.20	8.0	15.0	
2	2.517	8	0.971	0.79	0.740	21.17	31.62	59110	63100	88280	94240	1.20	8.0	15.0	
3	1.491	6	0.747	0.44	0.438	13.86	19.03	69490	69810	95400	95830	1.20	8.0	15.0	
4	1.485	6	0.745	0.44	0.436	14.02	19.90	70260	70900	99740	100650	1.30	8.0	16.3	
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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	

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

Riaz Elahi

Test Performed By:

Dr. /Engr. Nauman Khuram

Dy.Dir(QCD) WASA,LDA,Lhr.(Sorepoint At Sheranwala Gate,Lahore)(M/s.Zealcon-AEPL-Mastic JV)

Client Reference: QCD/630-33(QCD/360-61)

SOM Lab 6057(5892)(Page-

Ref: 2/2)

Dated: 14-03-2022

Dated: 17-02-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (ZSR ISBD)

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	1.449	6	0.736	0.44	0.426	10.67	16.38	53500	55260	82110	84810	1.70	8.0	21.3	
2	1.447	6	0.736	0.44	0.425	10.70	16.18	53650	55550	81090	83950	1.60	8.0	20.0	
3	0.661	4	0.497	0.20	0.194	5.61	9.14	61830	63740	100830	103950	1.00	8.0	12.5	
4	0.639	4	0.489	0.20	0.188	5.32	8.36	58680	62430	92180	98060	1.10	8.0	13.8	
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BEND TEST:

# 6	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

