

Muhammad Saleem
Project Director (North-3) PAEC, Chashma

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

Client Reference: WASO-P(KCI)-LOI-002/(323)/2020/693
Dated: 31-03-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab 4161(Page-1/1)
Ref: 1/1
Dated: 05-04-2021
ASTM-A-615
Sample Type: Deformed Bar(Al-Moiz 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	1.481	6	0.744	0.44	0.435	13.12	19.08	65760	66520	95650	96750	1.50	8.0	18.8	
2	1.476	6	0.743	0.44	0.434	13.17	19.11	66020	66930	95800	97130	1.60	8.0	20.0	
3	0.661	4	0.497	0.20	0.194	6.07	8.58	66890	68950	94650	97580	1.50	8.0	18.8	
4	0.673	4	0.502	0.20	0.198	6.24	8.72	68800	69490	96110	97080	1.60	8.0	20.0	
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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

Shahzad Muneer
Resident Engineer, G3, Engineering, Consultants (Pvt) Ltd. Lahore

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

Client Reference: G3 / 237/RE - 05

SOM Lab 4162(Page-

Ref: 1/1)

Dated: 03-04-2021

Dated: 05-04-2021

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	1.510	6	0.752	0.44	0.444	16.36	20.61	82010	81270	103310	102380	1.40	8.0	17.5	
2	1.529	6	0.756	0.44	0.449	16.38	19.69	82110	80470	98720	96740	1.20	8.0	15.0	
3	0.688	4	0.507	0.20	0.202	7.24	9.43	79810	79020	103980	102950	1.20	8.0	15.0	
4	0.673	4	0.502	0.20	0.198	7.00	8.99	77230	78010	99150	100150	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

Li Shi
Manager, Sinohydro Corporation Limited, Pakistan

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

Client Reference: ADB-301B/2018/217

SOM Lab Ref: 4163, 4166(Page-1/1)

Dated: 04-04-2021

Dated: 05-04-2021

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	2.517	8	0.971	0.79	0.740	24.72	34.91	69010	73680	97470	104060	1.00	8.0	12.5	
2	2.547	8	0.977	0.79	0.749	25.33	34.91	70720	74590	97470	102800	1.00	8.0	12.5	
3	1.500	6	0.749	0.44	0.441	17.23	21.99	86350	86160	110210	109960	1.10	8.0	13.8	
4	1.494	6	0.748	0.44	0.439	14.53	21.71	72810	72980	108830	109080	1.10	8.0	13.8	
5	1.507	6	0.751	0.44	0.443	12.69	19.85	63620	63180	99480	98810	1.20	8.0	15.0	
6	1.488	6	0.746	0.44	0.437	16.56	21.61	83030	83600	108320	109070	1.00	8.0	12.5	
7	0.659	4	0.497	0.20	0.194	5.99	8.28	66100	68140	91280	94100	1.20	8.0	15.0	
8	0.656	4	0.496	0.20	0.193	6.37	8.48	70260	72810	93530	96920	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6	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: Please always confirm the results of above report on web www.uet-civil.edu.pk

Li Shi
 Manager, Sinohydro Corporation Limited, Pakistan

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

Client Reference: ADB-301B/2018/217

SOM Lab 4164(Page-

Ref: 1/1)

Dated: 04-04-2021

Dated: 05-04-2021

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	3.343	9	1.118	1.00	0.982	28.13	39.86	62050	63190	87910	89520	1.30	8.0	16.3	
2	3.267	9	1.106	1.00	0.960	27.01	38.69	59580	62060	85320	88870	1.40	8.0	17.5	
3	2.590	8	0.984	0.79	0.761	19.67	27.88	54930	57020	77830	80800	1.60	8.0	20.0	
4	2.597	8	0.986	0.79	0.763	19.27	27.78	53790	55690	77550	80290	1.40	8.0	17.5	
5	0.670	4	0.501	0.20	0.197	4.59	7.03	50590	51360	77560	78750	1.20	8.0	15.0	
6	0.679	4	0.505	0.20	0.200	4.69	7.10	51710	51710	78350	78350	1.50	8.0	18.8	
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BEND TEST:

# 9	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 8	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