

Sheikhoo Steel

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

Director Project, Sheikhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil

Dated : 09-07-2023

SOM Lab Ref: CED/SOM/2545(Page-1/1)

Dated : 11-07-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Sheikhoo Steel)

Gauge Length: 200 m

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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	0.868	12	11.89	113	111	56.20	74.50	497	507	659	672	27.5	200	13.8	R-160
2	0.882	12	11.96	113	112	59.20	78.20	523	528	691	697	27.5	200	13.8	R-161
3	0.878	12	11.94	113	112	59.20	76.20	523	530	674	682	30.0	200	15.0	R-162
4	0.868	12	11.86	113	111	57.70	76.70	510	522	678	694	30.0	200	15.0	R-163
5	0.864	12	11.84	113	110	58.60	77.20	518	533	683	702	30.0	200	15.0	R-164
6	0.867	12	11.86	113	110	57.20	77.50	506	518	685	702	25.0	200	12.5	R-165
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

12mm (1)	Sample bend through 180 degrees Satisfactorily without any crack
12mm (2)	Sample bend through 180 degrees Satisfactorily without any crack
12mm (3)	Sample bend through 180 degrees Satisfactorily without any crack
12mm (4)	Sample bend through 180 degrees Satisfactorily without any crack

**Note:-**  
**Only Ten Samples Received and Tested**

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Fahid Javed

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

RE UMDS JV Cconsultants Sialkot.(Upgradation, Lot-04: Construction Of Flyover in Sialkot)

Client Reference: RE/UMDS-JV/LOT-4/SKT/48

SOM Lab

Ref: 2544 (Page-1/1)

Dated: 22-06-2023

Dated: 11-07-2023

Test: Tension Test & Bend Test  
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Sheikhoo 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.480	6	0.744	0.44	0.435	14.09	19.44	70620	71430	97440	98560	1.30	8.0	16.3	
2	1.482	6	0.745	0.44	0.436	13.68	19.29	68570	69200	96670	97560	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-  Only Three Samples Received and Tested</b>

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)