

Maj Tanveer Ahmad (R)
Resident Engineer-2, ACES, Sector -V, - DHA, Multan

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

Client Reference: ACES-DHAM-DEV/SEC-V/423

Dated: 08-04-2021

SOM Lab Ref: CED/SOM/4227 (Page-1/1)

Dated: 22-04-2021

Test: Tension & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (SJ Steel)

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	2.197	20	18.88	314	280	153.70	196.00	489	549	624	700	40.0	200	20.0	
2	2.210	20	18.93	314	282	155.50	197.00	495	553	627	700	35.0	200	17.5	
3	1.536	16	15.78	201	196	106.70	148.00	531	546	736	757	25.0	200	12.5	
4	1.534	16	15.78	201	195	107.70	149.50	536	551	744	765	25.0	200	12.5	
5	1.016	12	12.84	113	129	59.20	83.50	523	458	738	645	27.5	200	13.8	
6	1.026	12	12.90	113	131	61.00	86.50	539	467	765	662	30.0	200	15.0	
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BEND TEST:

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

Zubair Aziz Khan
 Syed Brothers (Pvt) Ltd. DHA Lahore Cantt.

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

Client Reference: nil

SOM Lab 4225 (Page-

Ref: 1/1)

Dated: 22-04-2021

Dated: 22-04-2021

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	1.559	6	0.764	0.44	0.458	20.03	24.31	100400	96460	121860	117070	1.00	8.0	12.5	
2	0.664	4	0.498	0.20	0.195	7.85	9.40	86560	88780	103640	106300	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Abuzar Saeed, SE

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

C/O Director NIBGE, In-charge, WASO Office, NIBGE, Jang Road, Faisalabad

Client Reference: WASO-5(23)/2019

SOM Lab

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Ref:

1/1)

Dated: 22-04-2021

Dated:

22-04-2021

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	2.636	8	0.993	0.79	0.775	23.26	35.95	64940	66200	100370	102310	1.60	8.0	20.0	
2	2.630	8	0.992	0.79	0.773	23.19	35.93	64740	66170	100320	102520	1.50	8.0	18.8	
3	0.644	4	0.491	0.20	0.189	6.24	8.51	68800	72800	93860	99330	1.30	8.0	16.3	
4	0.646	4	0.492	0.20	0.190	6.27	8.51	69130	72770	93860	98800	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
# 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. Nadeem Zafarullah

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Incharge (Civil) For Managing Director, Sui Northern Gas Pipelines Ltd. Lahore

Client Reference: CC/Room/W.R/Mul-T/01

SOM Lab

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Ref:

1/1)

Dated: 22-04-2021

Dated:

22-04-2021

Test: Tension 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	1.688	6	0.795	0.44	0.496	17.66	21.71	88500	78510	108830	96550	1.30	8.0	16.3	
2	1.688	6	0.795	0.44	0.496	17.48	21.87	87630	77740	109600	97230	1.50	8.0	18.8	
3	0.592	4	0.471	0.20	0.174	7.08	8.18	78130	89800	90150	103620	1.10	8.0	13.8	
4	0.593	4	0.471	0.20	0.174	7.03	8.15	77560	89150	89930	103370	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 Tested

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

Shahid Engineers,
Engineering & Contractprs, Faisalabad (Site Apex Mall)

Test Performed By: Dr. /Engr.

S. Asasd Ali
Gillani

Client Reference: nil

Dated: 21-04-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

ASTM-A-615

Deformed Bar

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22-04-2021

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	2.612	8	0.989	0.79	0.768	27.54	36.24	76900	79100	101170	104070	1.50	8.0	18.8	
2	1.503	6	0.750	0.44	0.442	15.57	19.27	78020	77670	96570	96130	1.10	8.0	13.8	
3	0.577	4	0.465	0.20	0.170	6.57	7.70	72510	85300	84870	99850	1.00	8.0	12.5	
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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	
# 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

Malik Steel
Peco Road Badami Bagh, Lahore

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

Client Reference: nil

SOM Lab 4230(Page-

Ref: 1/1)

Dated: 22-04-2021

Dated: 22-04-2021

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	1.688	6	0.795	0.44	0.496	17.66	21.71	88500	78510	108830	96550	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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