

Sheikhoo Steel

Test Performed
By:

Dr. /Engr. Asad Ali Gillani

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

Client Reference: Nil

Dated : 13-09-2023

SOM Lab Ref: CED/SOM/2927(Page-1a/1)

Dated : 27-09-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Sheikhoo 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	1.541	16	15.80	201	196	104.00	134.50	517	531	669	687	35.0	200	17.5	347-S
2	1.550	16	15.85	201	197	102.70	133.00	511	521	661	674	32.5	200	16.3	348-S
3	1.571	16	15.96	201	200	97.20	135.20	483	486	672	676	35.0	200	17.5	349-S
4	1.552	16	15.87	201	198	99.70	133.00	496	505	661	673	37.5	200	18.8	350-S
5	1.551	16	15.86	201	198	103.00	133.20	512	522	662	675	32.5	200	16.3	351-S
6	1.571	16	15.96	201	200	98.70	134.70	491	494	670	674	35.0	200	17.5	352-S
7	1.574	16	15.98	201	201	97.70	134.70	486	488	670	672	35.0	200	17.5	353-S
8	1.565	16	15.93	201	199	97.70	134.50	486	490	669	675	32.5	200	16.3	354-S
9	1.541	16	15.81	201	196	100.20	132.70	498	511	660	677	30.0	200	15.0	355-S
10	1.542	16	15.82	201	196	100.70	133.00	501	513	661	677	30.0	200	15.0	356-S

BEND TEST:

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

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

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Director Projects, Shekhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil

Dated : 13-09-2023

SOM Lab Ref: CED/SOM/2927(Page-1b/1)

Dated : 27-09-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Shekhoo 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	1.545	16	15.84	201	197	99.70	131.20	496	507	653	666	32.5	200	16.3	357-S
2	1.555	16	15.88	201	198	99.00	132.00	492	500	657	667	30.0	200	15.0	358-S
3	1.541	16	15.81	201	196	97.00	131.70	482	494	655	671	32.5	200	16.3	359-S
4	1.541	16	15.81	201	196	96.70	132.50	481	493	659	675	35.0	200	17.5	360-S
5	1.547	16	15.84	201	197	98.00	130.00	487	498	647	660	37.5	200	18.8	361-S
6	1.557	16	15.89	201	198	96.70	133.70	481	488	665	675	35.0	200	17.5	362-S
7	1.550	16	15.86	201	198	97.20	134.70	483	493	670	683	35.0	200	17.5	363-S
8	1.544	16	15.82	201	197	99.50	131.20	495	506	653	668	37.5	200	18.8	364-S
9	1.557	16	15.89	201	198	99.50	132.50	495	502	659	669	37.5	200	18.8	365-S
10	1.553	16	15.87	201	198	99.20	133.20	493	502	662	674	35.0	200	17.5	366-S

BEND TEST:

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

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

Sheikhoo Steel Test Performed By: Dr. /Engr. Asad Ali Gillani
 Director Projects, Sheikhoo Sugar Mills (Steel Div), Anwar Abad Kot Addu, Muzaffargarh.

Client Reference: Nil Dated : 13-09-2023

SOM Lab Ref: CED/SOM/2927(Page-1c/1) Dated : 27-09-2023

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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	1.543	16	15.84	201	197	99.70	129.70	496	507	645	659	35.0	200	17.5	367-S
2	1.558	16	15.90	201	199	99.00	132.40	492	499	659	667	32.5	200	16.3	368-S
3	1.552	16	15.87	201	198	99.00	132.70	492	501	660	671	40.0	200	20.0	369-S
4	1.569	16	15.95	201	200	104.00	135.20	517	521	672	677	37.5	200	18.8	370-S
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Sheikhoo Steel Test Performed By: Dr. /Engr. Asad Ali Gillani
 Director Projects, Sheikhoo Sugar Mills (Steel Div), Anwar Abad Kot Addu, Muzaffargarh.

Client Reference: Nil Dated : 18-09-2023

SOM Lab Ref: CED/SOM/2928(Page-1a/1) Dated : 27-09-2023

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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	3.835	25	24.95	491	489	234.20	322.50	477	479	657	660	40.0	200	20.0	457-S
2	3.839	25	24.95	491	489	226.20	319.50	461	463	651	654	40.0	200	20.0	458-S
3	3.856	25	25.01	491	491	241.70	323.70	492	493	659	660	40.0	200	20.0	459-S
4	3.855	25	25.01	491	491	241.20	324.00	491	492	660	660	37.5	200	18.8	460-S
5	3.847	25	24.98	491	490	241.50	324.70	492	493	661	663	32.5	200	16.3	461-S
6	3.844	25	24.97	491	490	234.00	317.00	477	478	646	648	37.5	200	18.8	462-S
7	3.857	25	25.01	491	491	236.50	323.20	482	482	658	658	35.0	200	17.5	463-S
8	3.831	25	24.93	491	488	240.70	328.50	490	494	669	674	37.5	200	18.8	464-S
9	3.851	25	24.99	491	491	245.70	330.20	501	501	673	674	40.0	200	20.0	645-S
10	3.816	25	24.88	491	486	245.70	328.20	501	506	669	676	37.5	200	18.8	466-S

BEND TEST:

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

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

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

Director Projects, Shekhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil

Dated : 18-09-2023

SOM Lab Ref: CED/SOM/2928(Page-1b/1)

Dated : 27-09-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Shekhoo 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	3.815	25	24.88	491	486	246.00	328.50	501	507	669	676	35.0	200	17.5	467-S
2	3.836	25	24.94	491	489	235.00	324.50	479	481	661	665	37.5	200	18.8	468-S
3	3.838	25	24.95	491	489	236.20	318.20	481	484	648	651	37.5	200	18.8	469-S
4	3.846	25	24.98	491	490	236.20	323.00	481	483	658	660	40.0	200	20.0	470-S
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Shekhoo Steel

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

Director Projects, Shekhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil

Dated : 18-09-2023

SOM Lab Ref: CED/SOM/2928(Page-1c/1)

Dated : 27-09-2023

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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	2.441	20	19.90	314	311	148.20	204.00	472	477	649	656	32.5	200	16.3	448-S
2	2.423	20	19.82	314	309	156.20	206.00	497	507	656	668	37.5	200	18.8	449-S
3	2.426	20	19.84	314	309	156.20	216.70	497	506	690	702	37.5	200	18.8	450-S
4	2.416	20	19.80	314	308	150.50	206.20	479	489	656	670	37.5	200	18.8	451-S
5	2.436	20	19.88	314	310	149.20	205.20	475	481	653	662	40.0	200	20.0	452-S
6	2.446	20	19.92	314	312	149.20	206.50	475	479	657	663	37.5	200	18.8	453-S
7	2.428	20	19.84	314	309	160.00	212.70	509	518	677	688	37.5	200	18.8	454-S
8	2.423	20	19.83	314	309	152.70	204.70	486	495	652	664	40.0	200	20.0	455-S
9	2.421	20	19.82	314	308	158.00	210.50	503	513	670	683	35.0	200	17.5	456-S
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

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

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

Sheikhoo Steel

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

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

Client Reference: Nil

Dated : 20-09-2023

SOM Lab Ref: CED/SOM/2929(Page-1a/1)

Dated : 27-09-2023

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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	3.841	25	24.95	452	489	227.70	312.20	503	466	690	639	35.0	200	17.5	471-S
2	3.824	25	24.91	452	487	236.20	316.20	522	485	699	650	32.5	200	16.3	472-S
3	3.795	25	24.81	452	483	224.70	311.70	497	465	689	645	37.5	200	18.8	473-S
4	3.847	25	24.98	452	490	232.70	320.70	514	475	709	655	35.0	200	17.5	474-S
5	3.831	25	24.93	452	488	237.70	315.70	525	488	698	647	40.0	200	20.0	475-S
6	3.858	25	25.01	452	491	241.70	319.70	534	492	707	651	37.5	200	18.8	476-S
7	3.838	25	24.95	452	489	243.20	323.20	538	498	714	662	35.0	200	17.5	477-S
8	3.847	25	24.98	452	490	237.70	319.70	525	486	707	653	37.5	200	18.8	478-S
9	3.815	25	24.88	452	486	238.20	321.70	527	491	711	662	35.0	200	17.5	479-S
10	3.816	25	24.88	452	486	244.50	326.50	540	503	722	672	40.0	200	20.0	480-S

BEND TEST:

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

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

Sheikhoo Steel

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

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

Client Reference: Nil

Dated : 20-09-2023

SOM Lab Ref: CED/SOM/2929(Page-1b/1)

Dated : 27-09-2023

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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	m	%	
1	3.862	25	25.03	491	492	222.00	315.50	452	452	643	642	32.5	200	16.3	481-S
2	3.848	25	24.98	491	490	237.00	319.20	483	484	650	652	37.5	200	18.8	487-S
3	3.845	25	24.97	491	490	240.00	320.50	489	490	653	655	40.0	200	20.0	483-S
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

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

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

Sheikhoo Steel

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

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

Client Reference: Nil

Dated: 20-09-2023

Test: Tension Test Test
inc

Gauge Length: 8 h

SOM Lab

Ref: 2929 (Page-1c/1)

Dated: 27-09-2023

Test Specification: ASTM-A-615

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.607	8	0.988	0.79	0.766	23.65	33.33	66020	68090	93060	95970	1.40	8.0	17.5	484-S
2	2.641	8	0.994	0.79	0.776	25.89	34.37	72290	73590	95960	97690	1.30	8.0	16.3	486-S
3	2.650	8	0.996	0.79	0.779	24.67	33.84	68870	69840	94480	95820	1.40	8.0	17.5	487-S
4	2.644	8	0.995	0.79	0.777	25.48	34.25	71150	72340	95620	97220	1.40	8.0	17.5	488-S
5	2.642	8	0.994	0.79	0.776	25.84	34.30	72140	73440	95760	97490	1.40	8.0	17.5	489-S
6	2.642	8	0.994	0.79	0.776	25.59	33.66	71430	72720	93970	95660	1.40	8.0	17.5	490-S
7	2.651	8	0.996	0.79	0.779	25.71	33.89	71770	72790	94620	95960	1.50	8.0	18.8	491-S
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

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

Sheikhoo Steel

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

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

Client Reference: Nil

Dated: 20-09-2023

Test: Tension Test Test
inc

Gauge Length: 8 h

SOM Lab

Ref: 2929 (Page-1d/1)

Dated: 27-09-2023

Test Specification: ASTM-A-615

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.64 3	8	0.99 5	0.7 9	0.77 7	26.32	34.37	73480	74710	95960	97570	1.3 0	8. 0	16. 3	492-S
2	2.65 3	8	0.99 7	0.7 9	0.78 0	25.15	33.56	70210	71110	93680	94890	1.3 0	8. 0	16. 3	493-S
3	2.64 9	8	0.99 5	0.7 9	0.77 8	25.69	33.84	71720	72820	94480	95940	1.4 0	8. 0	17. 5	494-S
4	2.63 7	8	0.99 3	0.7 9	0.77 5	25.91	34.71	72340	73740	96900	98780	1.3 0	8. 0	16. 3	495-S
5	2.67 7	8	1.00 1	0.7 9	0.78 7	26.25	34.17	73280	73560	95390	95760	1.4 0	8. 0	17. 5	496-S
6	2.64 3	8	0.99 5	0.7 9	0.77 7	24.28	33.20	67790	68920	92690	94240	1.3 0	8. 0	16. 3	497-S
7	2.64 3	8	0.99 5	0.7 9	0.77 7	24.82	33.76	69300	70460	94250	95830	1.3 0	8. 0	16. 3	498-S
8	2.65 7	8	0.99 7	0.7 9	0.78 1	25.54	34.66	71290	72110	96760	97870	1.5 0	8. 0	18. 8	499-S
9	2.65 1	8	0.99 6	0.7 9	0.77 9	25.69	34.68	71720	72730	96820	98180	1.6 0	8. 0	20. 0	500-S
10	2.63 9	8	0.99 4	0.7 9	0.77 6	25.40	33.79	70920	72200	94340	96040	1.4 0	8. 0	17. 5	501-S

BEND TEST:

-- No Bend test performed

Note:-

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

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Director Projects, Sheikho Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil

Dated: 20-09-2023

Test: Tension Test Test
inc

Gauge Length: 8 h

SOM Lab

Ref: 2929 (Page-1e/1)

Dated: 27-09-2023

Test Specification: ASTM-A-615

Sample Type: Deformed Bar (Sheikho 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	2.664	8	0.998	0.79	0.783	25.15	33.74	70210	70840	94200	95040	1.50	8.0	18.8	502-S
2	2.645	8	0.995	0.79	0.777	24.74	33.89	69070	70230	94620	96210	1.50	8.0	18.8	503-S
3	2.646	8	0.995	0.79	0.778	25.13	34.00	70150	71230	94910	96370	1.30	8.0	16.3	504-S
4	2.655	8	0.997	0.79	0.780	25.35	33.46	70780	71680	93400	94600	1.50	8.0	18.8	505-S
5	2.653	8	0.997	0.79	0.780	26.20	34.88	73140	74080	97380	98630	1.40	8.0	17.5	506-S
6	2.651	8	0.996	0.79	0.779	25.56	34.10	71350	72350	95190	96540	1.30	8.0	16.3	507-S
7	2.669	8	0.999	0.79	0.784	26.15	34.86	73000	73560	97330	98070	1.50	8.0	18.8	508-S
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

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

Zafar Iqbal

Test Performed By:

Dr. /Engr.

Wasim Abbas

PM United LifeStyle Pvt. Ltd.(Sky Scrapers By United at Johar Town Lahore)

Client Reference: ULS/2021-22-23/046

Dated: 27-09-2023

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2930 (Page-1/1)

Dated: 27-09-2023

ASTM-A-615

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	2.604	8	0.987	0.79	0.765	25.25	33.44	70490	72800	93340	96390	1.50	8.0	18.8	
2	2.606	8	0.988	0.79	0.766	24.74	33.00	69070	71230	92120	95010	1.50	8.0	18.8	
3	1.480	6	0.744	0.44	0.435	15.16	18.81	75980	76850	94270	95360	1.30	8.0	16.3	
4	1.492	6	0.747	0.44	0.438	15.36	19.22	77000	77350	96320	96750	1.00	8.0	12.5	
5	0.674	4	0.502	0.20	0.198	6.70	8.58	73850	74600	94650	95610	1.10	8.0	13.8	
6	0.672	4	0.501	0.20	0.197	6.37	8.46	70260	71330	93300	94720	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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