

Altaf Hussain

Test Performed By:

Dr. /Engr.

Bilal

M.E AS Enterprises (Project: Style Textile Manga , Dyeing,P3,P2)

Client Reference: STR/ASE/01

Dated: 24-05-2022

SOM Lab Ref: CED/SOM/369(Page-1/1)

Dated: 24-05-2022

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	3.612	25	24.20	491	460	214.60	324.70	437	467	661	706	30.0	200	15.0	Afco
2	3.622	25	24.24	491	461	186.40	302.70	380	405	617	657	27.5	200	13.8	Afco
3	2.408	20	19.76	314	307	153.20	203.50	488	500	648	664	30.0	200	15.0	Afco
4	2.427	20	19.84	314	309	152.70	204.00	486	494	649	660	20.0	200	10.0	Afco
5	1.566	16	15.94	201	200	110.20	130.50	548	553	649	655	37.5	200	18.8	Naveena
6	1.556	16	15.89	201	198	103.20	124.50	513	521	619	629	25.0	200	12.5	Naveena
7	0.974	12	12.57	113	124	62.20	78.00	550	502	690	629	22.5	200	11.3	Afco
8	0.953	12	12.43	113	121	60.00	75.00	531	495	663	618	22.5	200	11.3	Afco
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Twelve Samples Received and Tested</p>
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Amein Uddin

Test Performed By:

Dr. /Engr.

Bilal Khokhar

PM Project Majeed Associates Ltd.(Const.of ABL Warehouse Pakpattan Rd Sahiwal)

Client Reference: Nil**Dated:** 24-05-2022**SOM Lab Ref:** CED/SOM/363(Page-1/1)**Dated:** 24-05-2022**Test:** Tension Test & Bend Test**Test Specification:** ASTM-A 615**Sample Type:** Deformed Bar (AFCO 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	3.880	25	25.08	491	494	258.00	350.50	526	523	714	710	30.0	200	15.0	
2	3.895	25	25.14	491	496	255.00	348.20	519	514	709	702	32.5	200	16.3	
3	2.224	20	18.99	314	283	148.20	184.00	472	524	586	650	22.5	200	11.3	
4	2.231	20	19.02	314	284	148.00	182.70	471	521	582	643	25.0	200	12.5	
5	1.018	12	12.85	113	130	65.50	88.20	579	506	780	681	25.0	200	12.5	
6	1.021	12	12.87	113	130	64.00	86.20	566	493	762	663	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
20mm	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

Innovative ® Const. Company.
 Director Projects Innovative Lahore.(Friday Food Faisalabad)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: ICL/NF/FFF/02/02

SOM Lab

Ref: 362 (Page-1/1)

Dated: 24-05-2022

Dated: 24-05-2022

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	1.473	6	0.743	0.44	0.433	13.78	19.32	69080	70200	96830	98390	1.30	8.0	16.3	
2	1.484	6	0.745	0.44	0.436	13.73	19.13	68830	69460	95910	96790	1.50	8.0	18.8	
3	0.600	4	0.473	0.20	0.176	5.25	7.65	57890	65790	84310	95800	1.20	8.0	15.0	
4	0.604	4	0.476	0.20	0.178	5.27	7.67	58120	65300	84530	94980	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

Engr. Mian Mubashar Rafiq

Test Performed By:

Dr. /Engr.

Bilal Khokhar

PM Union Developers Lhr.(const. Of Union Luxury Apartments,Etihad Town Lahore.)

Client Reference: UA/SO/2022/019

SOM Lab

Ref:

364 (Page-1/1)

Dated: 23-05-2022

Dated:

24-05-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Afco 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	1.511	6	0.752	0.44	0.444	15.41	20.95	77260	76560	105000	104060	0.80	8.0	10.0	
2	1.508	6	0.751	0.44	0.443	15.46	20.90	77510	76990	104750	104040	0.80	8.0	10.0	
3	0.646	4	0.492	0.20	0.190	5.93	7.87	65420	68870	86780	91350	0.80	8.0	10.0	
4	0.645	4	0.492	0.20	0.190	6.27	8.12	69130	72770	89590	94310	0.80	8.0	10.0	
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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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

HSD Sarai Alamgir.(Const Of Flyover At Rajjar Railway Crossing Sarai Alamgir)

Client Reference: 24/SA

SOM Lab

Ref:

366 (Page-1/1)

Dated: 16-05-2022

Dated:

24-05-2022

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	2.672	8	1.000	0.79	0.785	27.95	36.41	78030	78530	101650	102300	1.10	8.0	13.8	
2	2.665	8	0.998	0.79	0.783	27.44	35.95	76610	77300	100370	101270	1.20	8.0	15.0	
3	1.517	6	0.754	0.44	0.446	16.26	20.34	81500	80400	101940	100560	1.10	8.0	13.8	
4	1.516	6	0.754	0.44	0.446	16.11	19.98	80730	79650	100150	98800	1.10	8.0	13.8	
5	0.583	4	0.467	0.20	0.171	5.17	7.80	56990	66660	85990	100580	1.30	8.0	16.3	
6	0.584	4	0.468	0.20	0.172	5.20	7.82	57330	66660	86220	100250	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

Engr. Uzair Siddique

Test Performed By:

Dr. /Engr.

Bilal Khokhar

Atiq Associates Lahore.(Lahore American School, Upper Mall Rd Lhr)

Client Reference: Nil

SOM Lab

Ref:

367 (Page-1/1)

Dated: 24-05-2022

Dated:

24-05-2022

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	2.671	8	1.000	0.79	0.785	23.67	32.74	66080	66500	91410	91990	1.70	8.0	21.3	
2	2.669	8	0.999	0.79	0.784	22.49	32.08	62780	63260	89560	90240	1.60	8.0	20.0	
3	1.485	6	0.745	0.44	0.436	13.91	19.39	69750	70390	97180	98080	1.50	8.0	18.8	
4	1.488	6	0.746	0.44	0.437	13.88	19.42	69590	70070	97340	98010	1.20	8.0	15.0	
5	0.645	4	0.492	0.20	0.190	5.45	7.95	60140	63310	87680	92300	1.40	8.0	17.5	
6	0.642	4	0.491	0.20	0.189	5.42	7.97	59800	63280	87910	93020	1.20	8.0	15.0	
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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

Engr. Fayyaz Ali Khan

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

GM NPCC - MECONS JV.(500kV Double Circuit Quad Bundle T/Line From SECL Coal Power Plant)

Client Reference: NPCC-MECONS(JV)/TLC-14/136

SOM Lab

Ref: 368 (Page-1/1)

Dated: 20-05-2022

Dated: 24-05-2022

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	1.467	6	0.741	0.44	0.431	13.32	19.90	66780	68180	99740	101820	1.10	8.0	13.8	Batala
2	1.472	6	0.743	0.44	0.433	13.15	19.80	65910	66980	99230	100830	1.00	8.0	12.5	Batala
3	1.512	6	0.752	0.44	0.444	13.32	19.11	66780	66180	95800	94940	1.50	8.0	18.8	Kamran
4	1.506	6	0.751	0.44	0.443	13.10	19.06	65660	65210	95550	94900	1.40	8.0	17.5	Kamran
5	0.666	4	0.500	0.20	0.196	6.09	8.56	67110	68480	94420	96350	1.10	8.0	13.8	Kamran
6	0.667	4	0.500	0.20	0.196	6.01	8.74	66320	67680	96340	98300	1.20	8.0	15.0	Kamran
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Witnessed By: HAMZA RASHEED (Junior Engr. Nespak)

BEND TEST:

Sr # (1-2)	Sample bend through 180 degrees Satisfactorily without any crack
Sr # (3-4)	Sample bend through 180 degrees Satisfactorily without any crack
Sr # (5-6)	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

Project Director (North-3)

Test Performed By: Dr. /Engr. Bilal

WASO-PAEC.(Const Of 120 Rooms Residential Buiding For Friendship At FFP Site)

Client Reference: WASO-CMD-LOI-158/C/1028

SOM Lab

Ref: 370 (Page-1/1)

Dated: 20-05-2022

Dated: 24-05-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Al Moez 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	1.480	6	0.744	0.44	0.435	14.65	20.64	73430	74270	103470	104660	1.10	8.0	13.8	
2	1.487	6	0.746	0.44	0.437	14.75	20.82	73940	74440	104340	105050	1.10	8.0	13.8	
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BEND TEST:

# 6	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

Project Director (North-3)

Test Performed By: Dr. /Engr. Bilal

WASO-PAEC.(Const Of 120 Rooms Residential Buiding For Friendship At FFP Site)

Client Reference: WASO-CMD-LOI-158/C/1027

SOM Lab

Ref: 371 (Page-1/1)

Dated: 20-05-2022

Dated: 24-05-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Al Moez 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	1.553	6	0.762	0.44	0.456	13.17	19.03	66020	63700	95400	92050	1.00	8.0	12.5	
2	1.494	6	0.748	0.44	0.439	13.22	18.98	66270	66420	95140	95360	1.60	8.0	20.0	
3	0.703	4	0.513	0.20	0.207	6.42	8.89	70820	68430	98020	94710	1.10	8.0	13.8	
4	0.692	4	0.508	0.20	0.203	6.37	8.72	70260	69220	96110	94690	1.20	8.0	15.0	
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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