

Abdul Rasheed

Test Performed By:

Dr. /Engr.

Nauman Khurram

General Manager, (Project) A.S. Enterprises, Engineers & Contractors, Lahore

Client Reference: USD/ASE/14

Dated: 01-04-2019

SOM Lab Ref: CED/SOM/592(Page-1/1)

Dated: 03-04-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A 615

Sample Type: M S 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	3.774	25	24.75	491	481	232.50	321.20	474	484	654	668	32.5	200	16.3	
2	3.702	25	24.50	491	472	247.70	330.78	505	526	674	702	25.0	200	12.5	
3	0.880	12	11.95	113	112	60.50	78.50	535	540	694	701	25.0	200	12.5	
4	0.883	12	11.97	113	112	61.50	138.70	544	547	1226	1234	25.0	200	12.5	
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BEND TEST:

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

Abdul Rasheed

Test Performed By:

Dr. /Engr.

Nauman Khurram

General Manager, (Projects) A.S. Enterprises, Engineers & Contractors, Lahore

Client Reference: USD/ASE/01

Dated: 03-04-2019

SOM Lab Ref: CED/SOM/593(Page-1/1)

Dated: 03-04-2019

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	3.689	25	24.46	491	470	233.70	308.50	476	498	628	657	32.5	200	16.3	
2	3.691	25	24.47	491	470	233.00	309.00	475	496	629	658	37.5	200	18.8	
3	2.402	20	19.74	314	306	156.70	197.70	499	513	629	647	25.0	200	12.5	
4	2.417	20	19.80	314	308	171.20	214.70	545	556	683	698	32.5	200	16.3	
5	1.602	16	16.12	201	204	86.00	119.70	428	422	595	587	37.5	200	18.8	
6	1.607	16	16.14	201	205	89.50	121.70	445	438	605	595	37.5	200	18.8	
7	0.891	12	12.02	113	113	58.20	74.00	515	513	654	653	25.0	200	12.5	
8	0.887	12	12.00	113	113	60.50	75.50	535	536	668	669	22.5	200	11.3	
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BEND TEST:

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

Maj Adnan khalid®

Test Performed By: Dr. /Engr. Nauman Khurram

By Dir MTL, Infara Dev Works at OHWT Sector -B (Extor B (Extn) DHA Phase-V - (M/S Inland)

Client Reference: 408/241/E/Lab/506/17

SOM Lab

Ref: 586(Page-1/2)

Dated: 29-03-2019

Dated: 3-04-2018

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (K.S.R. 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	0.609	4	0.477	0.20	0.179	5.86	8.79	64640	72220	96900	108260	1.50	8.0	18.8	
2	0.661	4	0.497	0.20	0.194	5.91	8.66	65200	67220	95550	98500	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

Maj Adnan khalid®

Test Performed By: Dr. /Engr. Nauman Khurram

By Dir MTL, Infara Dev Works at OHWT # 23, Sector -Q Pak-1, DHA Phase-V - (M/S Inland)

Client Reference: 408/241/E/Lab/505/409

SOM Lab

Ref: 586(Page-2/2)

Dated: 29-03-2019

Dated: 3-04-2018

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (S.J 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	0.654	4	0.494	0.20	0.192	5.96	8.99	65760	68500	99150	103280	1.00	8.0	12.5	
2	0.661	4	0.497	0.20	0.194	6.03	9.14	66550	68610	100830	103950	1.00	8.0	12.5	
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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

Riaz Ahmed
Riaz Construction Co. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: nil
Dated: 03-04-2019

SOM Lab
Ref: 587(Page-1/1)
Dated: 03-04--2019

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615
Deformed
Bar

Gauge Length: 8 inch Sample Type:

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	1.537	6	0.759	0.44	0.452	13.30	20.15	66680	64910	101020	98330	1.30	8.0	16.3	
2	0.663	4	0.498	0.20	0.195	7.10	9.33	78350	80360	102860	105490	1.00	8.0	12.5	
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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

Faisal Tanveer
 Site Manager, Ravi Green Engineering (Pvt) Ltd. (Project No. P-639)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: RG/MT/UET/2619

SOM Lab
 Ref: 588(Page-1/1)

Dated: 03-04-2019

Dated: 03-04-2019

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	1.517	6	0.754	0.44	0.446	18.25	23.50	91460	90230	117770	116190	1.00	8.0	12.5	
2	1.460	6	0.739	0.44	0.429	14.19	19.88	71130	72950	99640	102190	1.10	8.0	13.8	
3	1.568	6	0.766	0.44	0.461	15.61	20.46	78230	74660	102550	97880	1.00	8.0	12.5	
4	1.038	5	0.623	0.31	0.305	9.45	12.74	67230	68330	90650	92140	1.40	8.0	17.5	
5	1.046	5	0.625	0.31	0.307	10.04	13.73	71440	72130	97690	98640	0.90	8.0	11.3	
6	1.022	5	0.618	0.31	0.300	9.84	13.63	69990	72320	96960	100190	1.30	8.0	16.3	
7	0.668	4	0.500	0.20	0.196	6.63	8.53	73070	74560	94090	96010	1.30	8.0	16.3	
8	0.649	4	0.493	0.20	0.191	6.29	8.31	69360	72630	91610	95930	1.30	8.0	16.3	
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BEND TEST:

# 6(S.1&2)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Sixteen Samples Received and Tested
# 6 (S. 3)	Sample bend through 180 degrees Satisfactorily without any crack	
# 5(S.4&5)	Sample bend through 180 degrees Satisfactorily without any crack	
# 5 (S. 6)	Sample bend through 180 degrees Satisfactorily without any crack	
# 4(S.7&8)	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

Amjad Saeed
Resident Engineer, NESPAK (Pvt) Ltd Ltd Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 3994/103/AS/01/86

SOM Lab

Ref: 576(Page-1/1)

Dated: 30-03-2019

Dated: 19-04-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Super Kisan 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	2.683	8	1.002	0.79	0.788	28.00	37.61	78180	78370	105010	105280	1.30	8.0	16.3	
2	2.701	8	1.005	0.79	0.794	27.62	37.10	77120	76730	103590	103070	1.20	8.0	15.0	
3	1.029	5	0.620	0.31	0.302	10.81	13.66	76880	78910	97180	99750	1.20	8.0	15.0	
4	1.037	5	0.623	0.31	0.305	10.93	13.76	77750	79020	97910	99510	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
# 5	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

General Manager

Pakistan Expatriate Co-Operative Housing Society (PECHS) Izmir Ltd. Lahore

Test Performed By:

Dr. /Engr.

Bilal A. Khokhar

Client Reference: PECHS/Izmir/4416

Dated: 02-04-2019

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref:

589(Page-1/1)

Dated:

03-04-2019

BS- 4449

Tor

Bar

Gauge Length:

8 inch

Sample Type:

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	1.497	6	0.748	0.44	0.440	14.37	19.27	72050	72050	96570	96570	0.30	4.0	7.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Two Samples Received and Tested

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

Muhammad Umer Farooq
Civil Supervisor, Ambition Apparel, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

SOM Lab

Ref: 591(Page-1/1)

Dated: 01-04-2019

Dated: 03-04--2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar(Moiz, SJ, KSR Steel)

Gauge Length: 8 inch

Sample Type:

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	2.738	8	1.012	0.79	0.805	35.24	43.99	98380	96550	122800	120510	1.00	8.0	12.5	Moiz
2	1.461	6	0.739	0.44	0.429	10.55	15.97	52890	54240	80070	82120	1.60	8.0	20.0	S. J
3	0.677	4	0.503	0.20	0.199	8.33	10.32	91840	92300	113760	114330	0.90	8.0	11.3	K.S.R
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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

Faisal Mubarik Shabbir
Khan(Retd.)

Test Performed By: Dr. /Engr. Nauman Khurram

TBt, TI (M), Lieutenant Colonel, Additional Director Development, DHA Phaes-XI (Rehbar) Lahore

SOM Lab

Client Reference: 700/3/Girls School/Ph-XI/Projs/1205

Ref: 694(Page-1/1)

Dated: 03-04-2019

Dated: 03-04-2019

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (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	2.600	8	0.986	0.79	0.764	23.70	33.13	66170	68420	92490	95640	1.50	8.0	18.8	
2	2.595	8	0.986	0.79	0.763	23.11	32.67	64520	66800	91210	94440	1.50	8.0	18.8	
3	1.474	6	0.743	0.44	0.433	13.15	18.93	65910	66980	94880	96420	1.50	8.0	18.8	
4	1.511	6	0.752	0.44	0.444	13.46	19.34	67450	66840	96930	96060	1.60	8.0	20.0	
5	0.657	4	0.496	0.20	0.193	6.60	8.43	72730	75370	92960	96340	1.30	8.0	16.3	
6	0.664	4	0.498	0.20	0.195	6.34	8.07	69920	71710	89030	91310	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	

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