

Sohail Afzal

Test Performed By: Dr. /Engr. Wasim Abbas

AGM Projects, Izhar Const.(Pvt) Ltd.Lahore.(Const Of Dolmen Shopping Mall DHA Lahore)

Client Reference: ICPL/CONST-DML/21/389

Dated : 13-06-2023

SOM Lab Ref: CED/SOM/2437(Page-1/1)

Dated : 14-06-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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	0.888	12	12.00	113	113	54.20	74.00	479	480	654	655	32.5	200	16.3	
2	0.885	12	11.98	113	113	54.50	73.50	482	484	650	653	35.0	200	17.5	
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BEND TEST:

12mm	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

New Asia Iron
Store
Chakwal

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

Dated : 14-06-2023

SOM Lab Ref: CED/SOM/2443(Page-1a/1)

Dated : 14-06-2023

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	1.564	16	15.92	201	199	95.50	132.20	475	480	658	665	37.5	200	18.8	
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BEND TEST:

16mm	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

Bismillah Iron
Store
Jalalpur Pirwala

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

Client Reference: Nil

Dated : 14-06-2023

SOM Lab Ref: CED/SOM/2445(Page-1a/1)

Dated : 14-06-2023

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	1.000	12	12.72	113	127	52.70	73.70	466	415	652	581	37.5	200	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

12mm	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

Lahore Iron Store
D I Khan

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

Client Reference: Nil

Dated : 14-06-2023

SOM Lab Ref: CED/SOM/2446(Page-1a/1)

Dated : 14-06-2023

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	1.572	16	15.96	201	200	101.50	135.50	505	508	674	678	32.5	200	16.3	
2	0.996	12	12.71	113	127	48.20	70.00	426	380	619	552	35.0	200	17.5	
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BEND TEST:

16mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested
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

Hafiz Iron Store
Rahim Yar Khan

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

Dated : 14-06-2023

SOM Lab Ref: CED/SOM/2447(Page-1/1)

Dated : 14-06-2023

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	0.989	12	12.67	113	126	50.00	70.50	442	397	623	560	37.5	200	18.8	
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BEND TEST:

12mm	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

Iqbal Mutt Iron
Store
Multan Road, Shujabad.

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

Client Reference: Nil

Dated : 14-06-2023

SOM Lab Ref: CED/SOM/2448(Page-1a/1)

Dated : 14-06-2023

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	0.993	12	12.67	113	126	54.70	75.20	484	435	665	597	37.5	200	18.8	
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BEND TEST:

12mm	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

Saquib Akram,RE
Nespak Lahore.(Const.Of Flyover/Underpass at Akbar Chowk Lahore)

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

Client Reference: 3772/103/ACF/SA/04/68

SOM Lab

Ref: 2434 (Page-1/4)

Dated: 08-06-2023

Dated: 14-06-2023

Test: Tension Test & Bend Test
inc

Test Specification: ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	2.66 2	8	0.99 8	0.7 9	0.78 2	25.50	38.04	71200	71930	10621 0	10729 0	1.3 0	8. 0	16. 3	
2	2.66 8	8	0.99 9	0.7 9	0.78 4	23.09	35.02	64460	64950	97750	98500	1.5 0	8. 0	18. 8	
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BEND TEST:

# 8	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

Saquib Akram,RE

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Nespak Lahore.(Const.Of Flyover/Underpass at Akbar Chowk Lahore)

SOM Lab

Client Reference: 3772/103/ACF/SA/04/67

Ref: 2434 (Page-2/4)

Dated: 08-06-2023

Dated: 14-06-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	1.426	6	0.730	0.44	0.419	13.93	20.23	69850	73350	101420	106510	1.10	8.0	13.8	
2	1.457	6	0.738	0.44	0.428	14.48	21.07	72560	74590	105610	108580	1.30	8.0	16.3	
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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

Saquib Akram,RE

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Nespak Lahore.(Const.Of Flyover/Underpass at Akbar Chowk Lahore)

SOM Lab

Client Reference: 3772/103/ACF/SA/04/66

Ref:

2434 (Page-3/4)

Dated: 08-06-2023

Dated:

14-06-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	1.019	5	0.617	0.31	0.299	11.42	14.60	81230	84210	103850	107670	1.10	8.0	13.8	
2	1.024	5	0.619	0.31	0.301	11.03	14.22	78470	80820	101170	104190	1.30	8.0	16.3	
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BEND TEST:

# 5	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

Saquib Akram,RE
Nespak Lahore.(Const.Of Flyover/Underpass at Akbar Chowk Lahore)

Test Performed By: Dr. /Engr. Nauman Khurram

SOM Lab

Ref: 2434 (Page-4/4)

Dated: 14-06-2023

Client Reference: 3772/103/ACF/SA/04/65

Dated: 08-06-2023

Test: Tension Test & Bend Test Test Specification: ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	0.668	4	0.500	0.20	0.196	7.03	9.73	77560	79150	107350	109540	1.10	8.0	13.8	
2	0.671	4	0.501	0.20	0.197	7.19	9.96	79250	80460	109820	111500	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

# 4	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

Engr. Mian Mubashar Rafiq

Test Performed By: Dr. /Engr.

Nauman Khurram

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

SOM Lab

Client Reference: UA/SO/2023/044

Ref: 2435 (Page-1/1)

Dated: 13-06-2023

Dated: 14-06-2023

Test: Tension Test & Bend Test
inc

Test Specification: ASTM-A-615

Gauge Length: 8 h

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	2.70 1	8	1.00 5	0.7 9	0.79 4	28.64	36.24	79970	79570	10117 0	10066 0	1.0 0	8. 0	12. 5	
2	2.63 6	8	0.99 3	0.7 9	0.77 5	27.06	34.40	75560	77020	96050	97910	1.5 0	8. 0	18. 8	
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BEND TEST:

# 8	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

Engr. Naveed Sadiq
RE Orbit Devlopers.Lahore.(The Springs Atrim,Gulberg Lahore)

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

Client Reference: Nil

SOM Lab

Ref: 2436 (Page-1/1)

Dated: 18-06-2023

Dated: 14-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 h

Sample Type:

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	2.698	8	1.005	0.799	0.793	20.85	34.20	58200	57980	95480	95120	1.50	8.0	18.8	
2	2.692	8	1.004	0.799	0.791	21.00	34.27	58630	58550	95680	95560	1.70	8.0	21.3	
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Witnessed By: Saqib Hussain (Q/Head Premium Batala)

BEND TEST:

# 8	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

Muhammad Tahir Saleem
 PM M/S Rizwan Associates.(Const Of Regional Nuclear safety Inspectorate-VI Officer Building
 Lahore)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil

Dated: 13-06-2023

Test: Tension Test & Bend Test
 inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2438 (Page-1/1)

Dated: 14-06-2023

ASTM-A-615
 Deformed Bar (SJ
 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	2.648	8	0.995	0.79	0.778	27.47	34.73	76700	77880	96960	98450	1.30	8.00	16.3	
2	2.637	8	0.993	0.79	0.775	27.42	34.48	76550	78040	96250	98110	1.40	8.00	17.5	
3	1.493	6	0.748	0.44	0.439	14.14	18.60	70870	71030	93250	93460	1.50	8.00	18.8	
4	1.476	6	0.743	0.44	0.434	13.99	18.62	70100	71070	93350	94640	1.40	8.00	17.5	
5	0.674	4	0.502	0.20	0.198	6.95	8.77	76660	77440	96670	97650	1.10	8.00	13.8	
6	0.674	4	0.502	0.20	0.198	6.93	8.74	76440	77210	96340	97310	1.20	8.00	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Kashmir Art & Steel
Bank Road Muzaffarabad.

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil
Dated: 14-06-2023

SOM Lab
Ref: 2439 (Page-1/1)
Dated: 14-06-2023

Test: Tension Test & Bend Test
inc

Test Specification: ASTM-F-1554

Gauge Length: 8 h

Sample Type: Rock-Bolt (Deformed)

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	2.55 8	8	0.97 9	0.7 9	0.75 2	25.61	32.87	71490	75100	91780	96420	1.2 0	8. 0	15. 0	
2	2.55 8	8	0.97 9	0.7 9	0.75 2	25.15	32.44	70210	73760	90550	95130	1.3 0	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

Yasir Ahmad
GM-Works FF Steel Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 2441 (Page-1/1)

Dated: 08-06-2023

Dated: 14-06-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	14.24	19.49	71380	72540	97690	99270	1.40	8.0	17.5	1
2	1.479	6	0.744	0.44	0.435	14.09	19.27	70620	71430	96570	97680	1.30	8.0	16.3	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

New Asia Iron store
Chakwal

Test Performed By: Dr. /Engr. Numan Khurram

Client Reference: Nil
Dated: 14-06-2023

SOM Lab
Ref: 2443 (Page-1b/1)
Dated: 14-06-2023

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.646	8	0.995	0.79	0.778	24.92	33.61	69580	70660	93830	95270	1.30	8.0	16.3	
2	1.499	6	0.749	0.44	0.441	14.48	19.47	72560	72390	97590	97370	1.60	8.0	20.0	
3	0.668	4	0.500	0.20	0.196	6.63	8.61	73070	74560	94990	96930	1.30	8.0	16.3	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Muhammad Fawad Iron Store
Tehsil Road Opposite Bank Of Khyber Karak

Test Performed By: Dr. /Engr. Numan Khurram

Client Reference: Nil

SOM Lab

Ref: 2444 (Page-1/1)

Dated: 14-06-2023

Dated: 14-06-2023

Test: Tension Test & Bend Test

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%		
1	1.501	6	0.749	0.44	0.441	14.83	18.71	74350	74180	93760	93550	1.50	8.00	18.8		
2	0.670	4	0.501	0.20	0.197	6.49	8.82	71610	72700	97230	98720	1.20	8.00	15.0		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Bismillah Iron Store
Jalalpur Pirwala

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

Client Reference: Nil

SOM Lab

Ref: 2445 (Page-1b/1)

Dated: 14-06-2023

Dated: 14-06-2023

Test: Tension Test & Bend Test

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.52 1	6	0.75 4	0.4 4	0.44 7	15.46	19.62	77510	76300	98360	96820	1.2 0	8. 0	15. 0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Lahore Iron Store
D I Khan

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

Client Reference: Nil

SOM Lab

Ref: 2446 (Page-1b/1)

Dated: 14-06-2023

Dated: 14-06-2023

Test: Tension Test & Bend Test

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.647	8	0.995	0.79	0.778	28.03	34.68	78260	79470	96820	98310	1.40	8.0	17.5	
2	1.486	6	0.746	0.44	0.437	14.90	19.64	74700	75220	98460	99140	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

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

Iqbal Mutt Iron Store
Multan Road Shijabad.

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

Client Reference: Nil

SOM Lab

Ref: 2448 (Page-1/1)

Dated: 14-06-2023

Dated: 14-06-2023

Test: Tension Test & Bend Test

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.485	6	0.745	0.44	0.436	14.68	19.16	73580	74250	96060	96940	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Allied Bank
 Manager ABL-UMLP-199&200.(Const Of ABL Upper Mall Lahore)

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

Client Reference: ABL-UML-AMC-QAQC-12

SOM Lab

Ref: 2449 (Page-1b/1)

Dated: 14-06-2023

Dated: 14-06-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h
 inc

Sample Type:

Deformed Bar (Amreli 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	0.672	4	0.501	0.20	0.197	7.21	8.33	79470	80690	91840	93240	1.30	8.0	16.3	
2	0.674	4	0.502	0.20	0.198	7.26	8.36	80040	80850	92180	93110	1.20	8.0	15.0	
3	0.672	4	0.501	0.20	0.197	7.24	8.43	79810	81030	92960	94380	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

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

Allied Bank
 Manager ABL-UMLP-199&200.(Const Of ABL Upper Mall Lahore)

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

Client Reference: ABL-UML-AMC-QAQC-12

SOM Lab

Ref: 2449 (Page-1a/1)

Dated: 14-06-2023

Dated: 14-06-2023

Test: Tension Test & Bend Test
 inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.690	8	1.004	0.79	0.791	29.26	37.48	81680	81570	104640	104510	1.20	8.00	15.00	
2	2.733	8	1.011	0.79	0.803	27.54	35.49	76900	75650	99090	97490	1.20	8.00	15.00	
3	2.732	8	1.011	0.79	0.803	28.61	35.83	79880	78590	100030	98410	1.30	8.00	16.03	
4	1.464	6	0.740	0.44	0.430	15.34	19.11	76900	78690	95800	98030	1.40	8.00	17.05	
5	1.462	6	0.740	0.44	0.430	15.65	19.24	78430	80260	96420	98660	1.50	8.00	18.08	
6	1.516	6	0.754	0.44	0.446	16.67	21.56	83540	82420	108070	106610	1.50	8.00	18.08	
7	1.062	5	0.630	0.31	0.312	11.18	13.51	79560	79050	96090	95480	1.30	8.00	16.03	
8	1.056	5	0.628	0.31	0.310	11.16	13.58	79410	79410	96600	96600	1.40	8.00	17.05	
9	1.054	5	0.628	0.31	0.310	11.37	13.68	80860	80860	97330	97330	1.20	8.00	15.00	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Mr Ikhtlaq Ahmad
Block-D Ph-XII,DHA EME Sec Multan Rd Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil
Dated: 14-06-2023

SOM Lab
Ref: 2450 (Page-1/1)
Dated: 14-06-2023

Test: Tension Test & Bend Test inc
Gauge Length: 8 h
Test Specification: ASTM-A-615 Deformed Bar
Sample Type: 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	1.474	6	0.743	0.44	0.433	13.93	19.85	69850	70980	99480	101090	1.00	8.0	12.5	
2	0.670	4	0.501	0.20	0.197	6.03	8.69	66550	67560	95770	97230	1.10	8.0	13.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Kashmir Art & Steel
Bank Road Muzaffarabad

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil
Dated: 14-06-2023

SOM Lab Ref: 2440(Page-1/1)
Dated: 14-06-2023

Test: Tensile Test
Guage Length: 50 mm

Test Specification: ASTM A-82
Sample Type: H T Wire

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	0.215	6	5.86	28.27	27.00	14.20	192.20	502	526	6799	7119	10.0	50	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Test Performed by: .S. Asad Ali Gillani

Muhammad Asif Ali
Manager Administration,
Biotech Packages (Pvt) Ltd.
Lahore.

Client Reference No.: Nil
SOM Lab Ref: CED/SOM/2442 (Page 1/1)

Dated: 08-06-2023

Dated: 14-06-2023

Sample Type: Machinery Pin
Test Type: Hardness Test

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine
(Minor Load: 10 Kgf Major Load: 140.0 kgf Scale: C)

Hardness Test Results

Sample No.	Sample Type	Hardness (avg)
1	Machinery Pin	HR – 43.66- C

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

