

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Manager Corporate Sales, Sheikhoo Steel CCA-1, DHA Ph-6, Lahore.

Client Reference: Nil

Dated: 11-11-2022

SOM Lab Ref: CED/SOM/1235(Page-1/1)

Dated: 11-11-2022

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	0.898	12	12.05	113	114	46.70	67.00	413	410	592	588	37.5	200	18.8	
2	0.897	12	12.06	113	114	47.00	67.20	416	412	594	589	40.0	200	20.0	
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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

Mohammad Shahid

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Unirazz Services Lahore.(Civil Works For Packages Real Estate Pvt Ltd)

Client Reference: USPL/UET/4530

Dated: 11-11-2022

SOM Lab Ref: CED/SOM/1239(Page-1/1)

Dated: 11-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Moiz 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	4.018	25	25.53	491	512	248.50	346.20	506	486	705	677	37.5	200	18.8	
2	3.994	25	25.45	491	509	248.70	346.70	507	489	706	682	40.0	200	20.0	
3	2.236	20	19.05	314	285	138.50	193.20	441	487	615	679	40.0	200	20.0	
4	2.226	20	19.00	314	284	138.70	193.70	441	490	617	684	42.5	200	21.3	
5	1.573	16	15.97	201	200	97.20	140.50	483	486	699	702	37.5	200	18.8	
6	1.576	16	15.99	201	201	97.50	141.00	485	486	701	703	37.5	200	18.8	
7	1.008	12	12.79	113	128	65.00	89.50	575	507	791	698	32.5	200	16.3	
8	1.006	12	12.77	113	128	66.00	89.50	584	516	791	699	32.5	200	16.3	
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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

Rashid kafeel (Sr.Tech)

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

PAEC.KCPC Jauharabad (Const Of Filling Station for PAEC Foundation at Chowk Girote)

Client Reference: Nil

SOM Lab

Ref: 1236 (Page-1/1)

Dated: 11-11-2022

Dated: 11-11-2022

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	1.477	6	0.743	0.44	0.434	15.62	19.32	78280	79360	96830	98160	1.20	8.0	15.0	
2	1.465	6	0.741	0.44	0.431	15.36	19.13	77000	78610	95910	97910	1.50	8.0	18.8	
3	0.666	4	0.500	0.20	0.196	7.16	8.92	78910	80520	98360	100370	1.00	8.0	12.5	
4	0.667	4	0.500	0.20	0.196	7.14	8.87	78690	80290	97800	99790	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. Muhammad Zahid Abbas

Test Performed By:

Dr. /Engr. Asad Ali Gillani

CM Zameen Aurum,(Construction Of Zameen Aurum at Plot No.15 Block L,Gulberg-III Lahore)

Client Reference: ZD/ZA/STR031

SOM Lab

Ref: 1237 (Page-1/1)

Dated: 10-11-2022

Dated: 11-11-2022

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	2.678	8	1.001	0.79	0.787	33.74	39.98	94200	94560	111610	112040	1.00	8.0	12.5	
2	2.676	8	1.000	0.79	0.786	30.99	38.14	86510	86950	106490	107030	1.00	8.0	12.5	
3	0.674	4	0.502	0.20	0.198	6.24	9.28	68800	69490	102290	103330	1.30	8.0	16.3	
4	0.656	4	0.496	0.20	0.193	6.09	9.35	67110	69540	103080	106820	1.20	8.0	15.0	
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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

Engr Zafar Iqbal

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM United LifeStyle Pvt. Ltd.(Sky Scraper By United Life Style at Johar Town Lahore)

Client Reference: ULS/2021-22/007

SOM Lab

Ref:

1238 (Page-1/1)

Dated: 10-11-2022

Dated:

11-11-2022

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	2.688	8	1.003	0.79	0.790	26.57	35.04	74190	74190	97810	97810	1.30	8.0	16.3	
2	2.657	8	0.997	0.79	0.781	26.91	34.91	75130	76000	97470	98590	1.50	8.0	18.8	
3	1.492	6	0.747	0.44	0.438	13.00	18.86	65150	65450	94530	94960	1.70	8.0	21.3	
4	1.529	6	0.756	0.44	0.449	14.44	20.08	72400	70950	100660	98640	1.50	8.0	18.8	
5	0.699	4	0.511	0.20	0.205	6.98	9.09	77000	75120	100270	97820	1.60	8.0	20.0	
6	0.675	4	0.502	0.20	0.198	6.73	9.07	74190	74940	100050	101060	1.50	8.0	18.8	
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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

Tahir Mehmood, Chief Engr
Zaitoon, New Lahore City. (Const Of House # 80, 81 & 82)

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

Client Reference: NLC/CE/Const/14

SOM Lab

Ref: 1240 (Page-1/1)

Dated: 04-11-2022

Dated: 11-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (FF Steel)

ASTM-A-615

Deformed Bar (FF 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	1.510	6	0.752	0.44	0.444	17.84	21.58	89420	88610	108170	107190	1.30	8.0	16.3	
2	1.515	6	0.753	0.44	0.445	16.51	21.25	82780	81850	106530	105340	1.20	8.0	15.0	
3	0.642	4	0.491	0.20	0.189	6.37	9.28	70260	74350	102290	108250	1.10	8.0	13.8	
4	0.650	4	0.493	0.20	0.191	5.81	8.10	64080	67090	89370	93580	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

Muhammad Ashraf,CE

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

MLWO Punjab Lahore.(Const Of 01 Residence For Lady Dr at MLW Hospital 119 SB Sargodha)

Client Reference: MLW/C.E/MT/50/17/14480

SOM Lab

Ref: 1241 (Page-1/1)

Dated: 11-11-2022

Dated: 11-11-2022

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	0.658	4	0.496	0.20	0.193	6.73	8.00	74190	76880	88240	91440	1.30	8.0	16.3	
2	0.672	4	0.501	0.20	0.197	7.10	8.87	78350	79540	97800	99290	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

Associate Consulting Engineers
(ACE)

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

RE (ACE) UAEET Sambrial, Sialkot. (Estb Of UAEET Sambrial, Sialkot)

SOM Lab

Ref: 1242 (Page-1/1)

Client Reference: ER/UAEET/ACE/2022/83

Dated: 11-11-2022

Dated: 11-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (FF 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	2.672	8	1.000	0.79	0.785	24.54	33.54	68500	68940	93630	94220	1.40	8.0	17.5	
2	2.645	8	0.995	0.79	0.777	24.28	33.10	67790	68920	92400	93950	1.50	8.0	18.8	
3	1.476	6	0.743	0.44	0.434	13.12	18.30	65760	66670	91720	92980	1.30	8.0	16.3	
4	1.479	6	0.744	0.44	0.435	13.22	18.40	66270	67030	92230	93290	1.30	8.0	16.3	
5	0.668	4	0.500	0.20	0.196	5.78	8.31	63740	65040	91610	93480	1.40	8.0	17.5	
6	0.668	4	0.500	0.20	0.196	5.81	8.31	64080	65380	91610	93480	1.50	8.0	18.8	
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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