Jaffar Rashid **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

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

Client Reference: ICPL/CONST-DML/21/451 **Dated:** 18-01-2024

SOM Lab Ref: CED/SOM/3527(Page-1/1) **Dated:** 18-01-2024

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	0.900	12	12.10	113	115	57.20	74.20	506	498	656	646	30.0	200	15.0	
2	0.892	12	12.03	113	114	58.20	74.50	515	513	659	656	32.5	200	16.3	
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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

Engineer Muhammad Irshad **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Dy Dir Dev. DHA Gujranwala.(Const Of Sec Comm Shops)(Villas Space)

SOM Lab

Client Reference: 111/3/AD/Dev/Techno Time/09 **Ref:** 3525 (Page-1/1)

Dated: 06-12-2023 **Dated:** 18-01-2024

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	1.491	6	0.747	0.44	0.438	14.73	20.54	73830	74170	102960	103430	1.30	8.0	16.3	
2	1.509	6	0.751	0.44	0.443	14.93	20.80	74860	74350	104230	103530	1.20	8.0	15.0	
3	0.671	4	0.501	0.20	0.197	6.63	8.69	73070	74180	95770	97230	1.40	8.0	17.5	
4	0.680	4	0.505	0.20	0.200	7.26	9.30	80040	80040	102520	102520	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Raja Muhammad Aqeel **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Astt Dir.Building Section DHA Gujranwala.(Const Of 10 Marla Villas Block-A)

SOM Lab

Client Reference: 111/3/AD Bldgs/Lab/1302 **Ref:** 3526 (Page-1/1)

Dated: 17-01-2024 **Dated:** 18-01-2024

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

Gauge Length: 8 inch **Sample Type:** 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	0.674	4	0.502	0.20	0.198	7.67	10.04	84530	85390	110720	111840	1.20	8.0	15.0	
2	0.677	4	0.503	0.20	0.199	7.67	9.81	84530	84960	108140	108680	1.10	8.0	13.8	
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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

Waqas Ali
Variant Gulberg 2, Lahore.

Test Performed By: **Dr. /Engr.** Nauman Khurram

Client Reference: VA/29/130
Dated: 18-01-2024

SOM Lab Ref: 3528 (Page-1/1)
Dated: 18-01-2024

Test: Tension Test & Bend Test
Gauge Length: 8 inch
Test Specification: ASTM-A-615
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	1.505	6	0.750	0.44	0.442	15.55	20.56	77920	77570	103060	102590	1.30	8.0	16.3	
2	1.491	6	0.747	0.44	0.438	15.75	19.29	78940	79300	96670	97110	1.40	8.0	17.5	
3	0.676	4	0.503	0.20	0.199	8.00	9.40	88240	88690	103640	104160	1.10	8.0	13.8	
4	0.670	4	0.501	0.20	0.197	8.05	9.63	88800	90160	106230	107840	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Meezan Developers **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Lahore.(Const Of Jamia Tur Rasheed Lahore Campus)

SOM Lab
Client Reference: Nil **Ref:** 3529 (Page-1/1)
Dated: 18-01-2024 **Dated:** 18-01-2024

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	0.661	4	0.497	0.20	0.194	7.05	8.74	77790	80190	96340	99310	1.10	8.0	13.8	
2	0.657	4	0.496	0.20	0.193	6.83	8.61	75320	78050	94990	98430	1.20	8.0	15.0	
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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

Hafiz Saeed Ur Rehman,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

NESPAK Lhr.(Remodeling and Upgradation Of Ada Nullah & Walton Road Lahore)

SOM Lab

Client Reference: 4702/13/HSR/09/24 **Ref:** 3530 (Page-1/1)

Dated: 17-01-2024 **Dated:** 18-01-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Kamran 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	1.500	6	0.749	0.44	0.441	13.73	19.06	68830	68670	95550	95330	1.20	8.0	15.0	
2	1.448	6	0.736	0.44	0.426	13.43	19.08	67290	69510	95650	98790	1.40	8.0	17.5	
3	1.046	5	0.625	0.31	0.307	9.65	13.68	68680	69350	97330	98280	1.20	8.0	15.0	
4	1.037	5	0.623	0.31	0.305	9.58	13.51	68170	69290	96090	97670	1.30	8.0	16.3	
5	1.032	5	0.621	0.31	0.303	9.45	13.51	67230	68780	96090	98310	1.20	8.0	15.0	
6	1.032	5	0.621	0.31	0.303	9.65	13.68	68680	70270	97330	99570	1.30	8.0	16.3	
7	0.681	4	0.505	0.20	0.200	7.41	9.60	81720	81720	105890	105890	0.90	8.0	11.3	
8	0.679	4	0.505	0.20	0.200	7.56	9.73	83410	83410	107350	107350	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 5	Sample bend through 180 degrees Satisfactorily without any crack
# 5	Sample bend through 180 degrees Satisfactorily without any crack
# 4	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