

Syed Samiuddin Ahmed

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Senior Resident Engineer, ProMag (Pvt) Ltd Site Office - DHA, Mattital Road, Multan

Client Reference: CRE/Sec-D/324

Dated: 26-09-2019

SOM Lab Ref: CED/SOM/1542(Page-2/3)

Dated: 08-10-2019

Test: Tension & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(Kisan 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	0.891	12	12.00	113	113	65.20	76.60	576	577	677	678	25.0	200	12.5	
2	0.897	12	12.06	113	114	65.20	78.00	576	571	690	683	27.5	200	13.8	
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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

Syed Samiuddin Ahmed

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Senior Resident Engineer, ProMag (Pvt) Ltd Site Office - DHA, Mattital Road, Multan

Client Reference: CRE/Sec-D/334

Dated: 04-10-2019

SOM Lab Ref: CED/SOM/1542(Page-3/3)

Dated: 08-10-2019

Test: Tension & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(Abbas 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	0.859	12	11.78	113	109	72.70	86.50	643	667	765	794	22.5	200	11.3	
2	0.859	12	11.81	113	109	73.50	87.00	650	672	769	795	20.0	200	10.0	
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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

Syed Samiuddin Ahmed

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Senior Resident Engineer, ProMag (Pvt) Ltd Site Office - DHA, Mattital Road, Multan

Client Reference: CRE/Sec-D/320

Dated: 23-09-2019

SOM Lab Ref: CED/SOM/1542(Page-1/3)

Dated: 08-10-2019

Test: Tension & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(FF 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	0.875	12	11.89	113	111	61.20	84.00	541	552	743	757	27.5	200	13.8	
2	0.885	12	11.98	113	113	60.70	84.50	537	539	747	750	25.0	200	12.5	
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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

Maj Adnan khalid®

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Dy Dir MTL, Infra Dev Works of Ph -IX Prism (Pkg-II, III & IV) DHA Ph-IX - (M/S NLC)

Client Reference: 408/241/E/Lab/732/1602

Dated: 07-10-2019

SOM Lab

Ref: 1539(Page-1/1)

Dated: 08-10-2019

Test: Tension Test & Bend 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	2.600	8	0.986	0.79	0.764	24.97	34.68	69720	72100	96820	100110	1.60	8.0	20.0	
2	2.606	8	0.988	0.79	0.766	24.41	34.12	68160	70290	95250	98230	1.20	8.0	15.0	
3	2.592	8	0.985	0.79	0.762	25.45	35.17	71060	73670	98180	101790	1.00	8.0	12.5	
4	2.621	8	0.990	0.79	0.770	24.23	33.84	67650	69400	94480	96940	1.10	8.0	13.8	
5	1.479	6	0.744	0.44	0.435	13.76	19.47	68980	69770	97590	98710	1.10	8.0	13.8	
6	1.475	6	0.743	0.44	0.433	13.91	19.59	69750	70870	98210	99790	1.30	8.0	16.3	
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BEND TEST:

--	No Bend test performed	Note:- Only Nine Samples Received and Tested

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

Usman Ali

Test Performed By:

Dr. /Engr.

M Yousaf

Project Manager, Maypole Lime Light Pvt. Ltd Project: Maypole Lime Light(Front Building)

Client Reference: MLL-13

SOM Lab 1540, 1541(Page-1/1)
Ref:

Dated: 08-10-2019

Dated: 08-10-2019

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	2.695	8	1.004	0.79	0.792	28.85	38.14	80540	80330	106490	106220	1.20	8.0	15.0	
2	2.699	8	1.005	0.79	0.793	29.77	37.72	83100	82780	105300	104900	1.10	8.0	13.8	
3	0.685	4	0.506	0.20	0.201	6.27	9.40	69130	68790	103640	103130	1.30	8.0	16.3	
4	0.702	4	0.512	0.20	0.206	6.12	9.17	67450	65480	101170	98220	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

Tanveer Ahmad Khan
Material Engineer, DHA Bahawalpur

Test Performed By: Dr. /Engr. Rizwan Azam

Client Reference: 161/QC/MTL

SOM Lab

Ref: 1544(Page-2/5)

Dated: 03-10-2019

Dated: 08-10-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(City Steel UAE)

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	2.655	8	0.997	0.79	0.780	24.46	32.98	68300	69180	92060	93240	1.70	8.0	21.3	
2	1.491	6	0.747	0.44	0.438	16.08	20.08	80580	80950	100660	101120	1.30	8.0	16.3	
3	0.658	4	0.496	0.20	0.193	7.65	9.43	84310	87370	103980	107750	1.30	8.0	16.3	
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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

Tanveer Ahmad Khan
Material Engineer, DHA Bahawalpur

Test Performed By: Dr. /Engr. Rizwan Azam

Client Reference: 161/QC/MTL

SOM Lab

Ref: 1544(Page-4/5)

Dated: 03-10-2019

Dated: 08-10-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar(Amrile 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	2.628	8	0.991	0.79	0.772	21.89	35.37	61100	62530	98750	101050	1.40	8.0	17.5	
2	1.486	6	0.746	0.44	0.437	13.56	19.85	67960	68430	99480	100170	1.10	8.0	13.8	
3	0.663	4	0.498	0.20	0.195	5.96	9.33	65760	67450	102860	105490	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
# 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

Tanveer Ahmad Khan
Material Engineer, DHA Bahawalpur

Test Performed By: Dr. /Engr. Rizwan Azam

Client Reference: 161/QC/MTL

SOM Lab

Ref: 1544(Page-3/5)

Dated: 03-10-2019

Dated: 08-10-2019

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	2.643	8	0.995	0.79	0.777	26.81	35.29	74850	76100	98520	100170	1.50	8.0	18.8	
2	1.469	6	0.742	0.44	0.432	14.17	19.29	71020	72340	96670	98460	1.30	8.0	16.3	
3	0.660	4	0.497	0.20	0.194	5.76	8.79	63510	65480	96900	99890	1.50	8.0	18.8	
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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

Tanveer Ahmad Khan
Material Engineer, DHA Bahawalpur

Test Performed By: Dr. /Engr. Rizwan Azam

Client Reference: 161/QC/MTL

SOM Lab Ref: 1544(Page-5/5)

Dated: 03-10-2019

Dated: 08-10-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar(Mughal Supreme 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	2.641	8	0.994	0.79	0.776	22.60	33.91	63090	64230	94680	96390	1.40	8.0	17.5	
2	1.471	6	0.742	0.44	0.432	13.15	18.55	65910	67140	92990	94720	1.40	8.0	17.5	
3	0.651	4	0.493	0.20	0.191	5.98	8.58	65990	69100	94650	99110	1.30	8.0	16.3	
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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

Tanveer Ahmad Khan
Material Engineer, DHA Bahawalpur

Test Performed By: Dr. /Engr. Rizwan Azam

Client Reference: 161/QC/MTL

SOM Lab

Ref: 1544(Page-1/5)

Dated: 03-10-2019

Dated: 08-10-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar(Kamran 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	2.715	8	1.008	0.79	0.798	25.71	33.18	71770	71050	92630	91700	1.40	8.0	17.5	
2	1.498	6	0.748	0.44	0.440	14.78	20.41	74090	74090	102290	102290	1.30	8.0	16.3	
3	0.673	4	0.502	0.20	0.198	6.80	9.25	74980	75740	101960	102990	1.10	8.0	13.8	
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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

Arch. Kalim A. Siddiqui
 Chief Executive, K S & Associates, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: KSA/MCB-MZFG/18/OC-13

Dated: 08-10-2019

Test: Tension Test

Test Specification:

SOM Lab

Ref: 1545(Page-1/1)

Dated: 08-10-2019

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	2.583	8	0.983	0.79	0.759	26.32	32.77	73480	76480	91490	95230	1.20	8.0	15.0	
2	2.554	8	0.978	0.79	0.751	25.10	31.55	70070	73700	88080	92650	1.50	8.0	18.8	
3	1.485	6	0.745	0.44	0.436	15.77	21.07	79050	79770	105610	106580	1.40	8.0	17.5	
4	1.483	6	0.745	0.44	0.436	15.60	20.80	78180	78890	104230	105190	1.30	8.0	16.3	
5	0.643	4	0.491	0.20	0.189	6.60	8.15	72730	76960	89930	95160	1.30	8.0	16.3	
6	0.644	4	0.491	0.20	0.189	6.42	8.12	70820	74940	89590	94810	1.00	8.0	12.5	
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BEND TEST:

--	No Bend test performed	Note:- Only Six Samples Received and Tested

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