

Altaf Hussain
M.E AS Enterprises.(AS Enterprises Ware House Layyah)

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

Client Reference: WHL/ASE/01

Dated : 08-02-2023

SOM Lab Ref: CED/SOM/1724(Page-1/1)

Dated : 09-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Islamabad Supreme)

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	2.104	20	18.47	314	268	105.30	177.00	335	393	563	661	32.5	200	16.3	
2	1.444	16	15.30	201	184	68.70	111.20	342	374	553	605	35.0	200	17.5	
3	0.996	12	12.71	113	127	42.80	67.20	378	338	594	530	35.0	200	17.5	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
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

Sohail Afzal

Test Performed By: Dr. /Engr. Nauman Khurram

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

Client Reference: ICPL/CONST-DML/21/314

Dated : 09-02-2023

SOM Lab Ref: CED/SOM/1726(Page-1/2)

Dated : 09-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Mughal 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	0.881	12	11.94	113	112	57.20	73.70	506	511	652	659	32.5	200	16.3	
2	0.882	12	11.96	113	112	58.00	74.20	513	517	656	661	30.0	200	15.0	
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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

Sohail Afzal

Test Performed By: Dr. /Engr. Nauman Khurram

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

Client Reference: ICPL/CONST-DML/21/315

Dated : 09-02-2023

SOM Lab Ref: CED/SOM/1726(Page-2/2)

Dated : 09-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Mughal 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	1.543	16	15.84	201	197	109.50	135.20	545	556	672	687	32.5	200	16.3		
2	1.549	16	15.85	201	197	107.70	133.70	536	546	665	678	30.0	200	15.0		
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BEND TEST:

16mm 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 Muhammad Javeed
Manager Civil Sunshine.

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

Client Reference: SPS/BML/013/2023

SOM Lab

Ref: 1725(Page-1/1)

Dated: 08-02-2023

Dated: 09-02-2023

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	2.62 3	8	0.99 1	0.7 9	0.77 1	25.86	34.51	72200	73980	96330	98710	1.4 0	8. 0	17. 5	
2	2.63 3	8	0.99 3	0.7 9	0.77 4	25.91	34.37	72340	73840	95960	97950	1.3 0	8. 0	16. 3	
3	1.49 7	6	0.74 8	0.4 4	0.44 0	15.34	19.59	76900	76900	98210	98210	1.4 0	8. 0	17. 5	
4	1.50 3	6	0.75 0	0.4 4	0.44 2	15.21	19.72	76240	75890	98870	98420	1.3 0	8. 0	16. 3	
5	0.67 6	4	0.50 3	0.2 0	0.19 9	5.93	8.33	65420	65750	91840	92300	1.4 0	8. 0	17. 5	
6	0.66 6	4	0.50 0	0.2 0	0.19 6	5.98	9.04	65990	67330	99710	10174 0	1.3 0	8. 0	16. 3	
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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

Engr. Shahid Iqbal

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

MC Trans-Continental Fright Pvt Ltd.(Const Of TAQ House-Gulberg at Plot No 6F Lahore)

Client Reference: THG/031/UET

SOM Lab

Ref: 1727 (Page-1/1)

Dated: 07-02-2023

Dated: 09-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed

Gauge Length: 8 inch

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	2.650	8	0.996	0.79	0.779	27.39	34.30	76470	77550	95760	97110	1.60	8.00	20.00	
2	2.663	8	0.998	0.79	0.783	27.22	34.27	75980	76660	95680	96530	1.30	8.00	16.33	
3	1.509	6	0.751	0.44	0.443	15.70	19.49	78690	78160	97690	97030	1.20	8.00	15.00	
4	1.490	6	0.747	0.44	0.438	15.19	19.11	76130	76480	95800	96240	1.10	8.00	13.88	
5	0.662	4	0.498	0.20	0.195	5.93	7.56	65420	67100	83410	85550	1.10	8.00	13.88	
6	0.673	4	0.502	0.20	0.198	6.07	7.56	66890	67560	83410	84250	1.00	8.00	12.55	
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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

Yasir Ahmad
GM-Works FF Steel Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 1728 (Page-1/1)

Dated: 07-02-2023

Dated: 09-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed

Gauge Length: 8 inch

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	1.504	6	0.750	0.44	0.442	14.88	19.64	74600	74260	98460	98020	1.30	8.00	16.3	
2	1.499	6	0.749	0.44	0.441	14.78	19.42	74090	73920	97340	97120	1.10	8.00	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

Manohar Lal

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

RE Nespak, Gujrat. (Bridge Over U.J.C Canal & Bhimber Nullah on Gujrat Bypass N-5 Industrial Area-II)

Client Reference: 103/GF/ML/Lab/04

SOM Lab

Ref: 1729 (Page-1/1)

Dated: 06-02-2023

Dated: 09-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Faizan 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	0.689	4	0.507	0.20	0.202	7.19	8.46	79250	78470	93300	92380	1.10	8.00	13.8	
2	0.674	4	0.502	0.20	0.198	7.24	8.51	79810	80620	93860	94810	1.10	8.00	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

Naeem Akhtar

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

Director, Usman Ibrahim Construction. Lahore. (Const Of Tower A Luxury Apartment DHA Ph-8)

Client Reference: UD/AdC/112

SOM Lab

Ref: 1730 (Page-1/1)

Dated: 31-01-2023

Dated: 09-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Def. 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	1.487	6	0.746	0.44	0.437	15.57	19.62	78020	78560	98360	99030	1.40	8.00	17.5	
2	1.475	6	0.743	0.44	0.433	15.59	19.57	78130	79390	98100	99690	1.30	8.00	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

Engr. Naveed Sadiq
RE Orbit Developers.Lahore.(The Springs Gulberg Lahore)

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

Client Reference: Nil

SOM Lab

Ref: 1731 (Page-1/1)

Dated: 03-02-2023

Dated: 09-02-2023

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	2.617	8	0.990	0.79	0.769	24.06	34.61	67160	69000	96620	99250	1.50	8.0	18.8	
2	2.630	8	0.992	0.79	0.773	23.39	33.64	65310	66750	93910	95980	1.60	8.0	20.0	
3	1.493	6	0.748	0.44	0.439	15.60	20.85	78180	78360	104490	104730	1.50	8.0	18.8	
4	1.491	6	0.747	0.44	0.438	14.24	19.24	71380	71710	96420	96860	1.50	8.0	18.8	
5	0.673	4	0.502	0.20	0.198	6.39	8.84	70480	71190	97460	98440	1.40	8.0	17.5	
6	0.670	4	0.501	0.20	0.197	6.19	8.61	68230	69270	94990	96430	1.30	8.0	16.3	
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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

