

Nubarik Brothers, Hard Ware Store
Lahore

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

Client Reference: nil
SOM Lab Ref: CED/SOM/1658(Page-1/1)
Test: Tension Test
Sample Type: Plain Steel Bar

Dated: 30-10-2019
Dated: 30-10-2019
Test Specification: ASTM-A 615
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	2.000	18	18.02	254	255	120.00	171.50	472	471	674	673	17.5	200	8.8	
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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

Managing Director
M/S Malik Habib & Brothers

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: MHB/QA-QC/64 Men Barracks/06

SOM Lab

Ref: 1654(Page-1/1)

Dated: 30-10-2019

Dated: 30-10-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Pak 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	0.654	4	0.494	0.20	0.192	6.07	8.03	66890	69670	88580	92270	1.10	8.0	13.8	
2	0.649	4	0.493	0.20	0.191	6.12	8.00	67450	70630	88240	92400	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

Managing Partner
Shaheen Associates, Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: SBA-1/6035

Dated: 30-10-2019

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1657(Page-1/1)

Dated: 30-10-2019

ASTM-A-615

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	2.428	8	0.953	0.79	0.714	19.75	32.42	55130	60990	90500	100130	1.60	8.0	20.0	
2	2.388	8	0.945	0.79	0.702	19.57	31.70	54640	61490	88510	99600	1.50	8.0	18.8	
3	1.439	6	0.734	0.44	0.423	12.95	17.55	64890	67500	87990	91520	1.10	8.0	13.8	
4	1.440	6	0.734	0.44	0.423	12.51	17.28	62700	65220	86610	90090	1.40	8.0	17.5	
5	0.648	4	0.492	0.20	0.190	6.85	8.89	75540	79520	98020	103180	0.90	8.0	11.3	
6	0.648	4	0.492	0.20	0.190	6.85	8.56	75540	79520	94420	99390	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

Hassan Mahmood

Resident Engineer, PSIC House, Davis Road Lahore (G3 Engineering Consultants (Pvt) Ltd.)

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: G3/0161/Site/873

Dated: 19-10-2019

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1659(Page-1/1)

Dated: 30-10-2019

ASTM-A-615

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	2.664	8	0.998	0.79	0.783	24.67	34.91	68870	69490	97470	98340	1.30	8.0	16.3	
2	2.653	8	0.997	0.79	0.780	24.77	34.98	69160	70040	97670	98920	1.30	8.0	16.3	
3	1.477	6	0.743	0.44	0.434	14.39	19.01	72150	73150	95290	96610	1.20	8.0	15.0	
4	1.459	6	0.739	0.44	0.429	13.71	18.50	68730	70490	92740	95120	1.40	8.0	17.5	
5	0.650	4	0.493	0.20	0.191	6.32	8.38	69700	72980	92400	96760	1.20	8.0	15.0	
6	0.646	4	0.492	0.20	0.190	6.47	8.46	71380	75140	93300	98210	1.00	8.0	12.5	
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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	

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