

Mobin Qadri

Test Performed By:

Dr. /Engr.

s. Asad Ali Gillani

Qadri Brothers (Pvt) Ltd., Foundry, Castings & Forgings, Peco Road, Badami Bagh, Lahore

Client Reference: nil

Dated: 02-07-2021

SOM Lab Ref: CED/SOM/4597 (Page-1/1)

Dated: 02-07-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

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	0.997	12	12.72	113	127	68.50	86.00	606	540	760	678	27.5	200	13.8	
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Two Samples Received and Tested

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

Assistant Resident Engineer,
Engineering Consultancy Services Punjab (Pvt) Ltd. Lahore

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

Client Reference: ECSP/PAPA/CZ-DGK-03

Dated: 10-06-2021

SOM Lab Ref: CED/SOM/4598 (Page-1/1)

Dated: 02-07-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Sample Type: Deformed Bar

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	0.865	12	11.84	113	110	64.70	78.70	572	589	696	716	32.5	200	16.3	
2	0.865	12	11.84	113	110	64.70	78.70	572	588	696	715	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

Arfan Nazir
 Manager Civil, Nishat Mill Ltd, Lahore

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

Client Reference: NDF/ST/004
SOM Lab Ref: CED/SOM/4600(Page-1/1)
Test: Tension and Bend Test
Sample Type: Deformed Bar(AFCCO Steel)

Dated: 01-07-2021
Dated: 02-07-2021
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	3.837	25	24.95	491	489	202.50	286.00	413	415	583	585	45.0	200	22.5	
2	3.842	25	24.96	491	489	208.00	286.20	424	425	583	585	42.5	200	21.3	
3	2.155	20	18.70	314	275	120.20	163.20	383	438	519	595	35.0	200	17.5	
4	2.173	20	18.77	314	277	120.20	167.20	383	435	532	605	37.5	200	18.8	
5	1.605	16	16.13	201	204	110.20	148.20	548	540	737	726	27.5	200	13.8	
6	1.616	16	16.19	201	206	89.00	124.70	443	433	620	606	37.5	200	18.8	
7	0.878	12	11.93	113	112	59.20	74.50	523	530	659	667	25.0	200	12.5	
8	0.876	12	11.92	113	112	57.00	71.50	504	511	632	641	22.5	200	11.3	
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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

Assistant . Project Director

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

PMU-SBP LHR., Project Management Unit (PMU), Govt. of The Punjab, Sports Bord Punjab

Client Reference: APD/PMU/SBP/LHR/21/4735

SOM Lab

Ref: 4595(Page-1/1)

Dated: 30-06-2021

Dated: 02-07-2021

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	2.648	8	0.995	0.79	0.778	24.46	32.79	68300	69350	91550	92960	1.00	8.0	12.5	
2	2.636	8	0.993	0.79	0.775	23.82	32.36	66510	67800	90360	92100	1.10	8.0	13.8	
3	1.508	6	0.751	0.44	0.443	13.27	19.29	66530	66080	96670	96020	1.40	8.0	17.5	
4	1.500	6	0.749	0.44	0.441	13.30	19.39	66680	66530	97180	96960	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	

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

Assistant Resident Engineer,
Engineering Consultancy Services Punjab (Pvt) Ltd. Lahore

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

Client Reference: ECSP/PAPA/CZ-DGK-03

SOM Lab Ref: 4598(Page-1/1)

Dated: 10-06-2021

Dated: 02-07-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Guage 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	0.676	4	0.503	0.20	0.199	6.85	8.82	75540	75920	97230	97720	1.10	8.0	13.8	
2	0.668	4	0.500	0.20	0.196	7.34	9.38	80940	82590	103420	105530	1.00	8.0	12.5	
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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

Jameel Khan
Darowgawala, Lahore

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

Client Reference: nil

SOM Lab

Ref: 4599(Page-1/1)

Dated: 02-07-2021

Dated: 02-07-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Plane Bar (Round 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	3.682	9	1.174	1.00	1.082	22.19	34.98	48950	45240	77160	71310	2.40	8.0	30.0	
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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

Construction Manager
NESPAK, (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. M Irfan UI Hassan

Client Reference: 3976/13/MHK/01/280

SOM Lab

Ref: 4601(Page-1/1)

Dated: 01-07-2021

Dated: 02-07-2021

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	0.672	4	0.501	0.20	0.197	6.63	9.12	73070	74180	100610	102140	1.00	8.0	12.5	
2	0.675	4	0.502	0.20	0.198	6.22	8.79	68570	69260	96900	97880	1.10	8.0	13.8	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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