

Faisal Mubarik Shabbir
Khan(Retd.)

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

TBt, TI (M), Lieutenant Colonel, Additional Director Development, DHA Phaes-XI (Rehbar) Lahore

Client Reference: 700/3/Girls School/Ph-XI/Projs/3028

SOM Lab

Ref: 1601(Page-1/1)

Dated: 17-10-2019

Dated: 21-10-2019

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Ittefaq 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	2.678	8	1.001	0.79	0.787	23.31	36.26	65090	65330	101230	101610	1.30	8.0	16.3	
2	2.671	8	1.000	0.79	0.785	22.96	36.14	64090	64500	100880	101530	1.50	8.0	18.8	
3	1.485	6	0.745	0.44	0.436	13.71	21.25	68730	69360	106530	107510	1.30	8.0	16.3	
4	1.464	6	0.740	0.44	0.430	13.88	21.46	69590	71210	107560	110060	1.20	8.0	15.0	
5	0.674	4	0.502	0.20	0.198	6.19	9.17	68230	68920	101170	102190	1.40	8.0	17.5	
6	0.675	4	0.502	0.20	0.198	6.27	9.17	69130	69830	101170	102190	1.40	8.0	17.5	
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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	

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

Naveed Bashir

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Manager Procurement & Logistic, (IKAN Engineering Services Pvt. Ltd.) Lahore

SOM Lab

Ref: 1602(Page-1/1)

Client Reference: nil

Dated: 20-10-2019

Dated: 21-10-2019

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	3.359	9	1.121	1.00	0.987	33.23	48.62	73290	74260	107240	108650	1.30	8.0	16.3	
2	3.372	9	1.123	1.00	0.991	30.48	44.11	67220	67830	97280	98160	1.20	8.0	15.0	
3	2.600	8	0.986	0.79	0.764	23.60	34.22	65880	68120	95530	98790	1.50	8.0	18.8	
4	2.605	8	0.988	0.79	0.766	24.97	37.36	69720	71910	104300	107570	1.40	8.0	17.5	
5	1.037	5	0.623	0.31	0.305	9.07	13.20	64550	65610	93920	95460	1.30	8.0	16.3	
6	1.035	5	0.622	0.31	0.304	9.33	13.30	66360	67670	94640	96510	1.40	8.0	17.5	
7	0.653	4	0.494	0.20	0.192	6.14	8.51	67670	70490	93860	97770	1.30	8.0	16.3	
8	0.654	4	0.494	0.20	0.192	6.12	8.72	67450	70260	96110	100120	1.30	8.0	16.3	
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BEND TEST:

# 8(S. 1,2)	Sample bend through 180 degrees Satisfactorily without any crack
# 8(S. 3,4)	Sample bend through 180 degrees Satisfactorily without any crack
# 5(S. 5,6)	Sample bend through 180 degrees Satisfactorily without any crack
# 4(S. 7,8)	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Sixteen Samples
Received and Tested

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

W-Mall
MM Alam Road, Gulberg - III, Lahore

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

Client Reference: nil

Dated: 27-09-2019

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1603(Page-1/1)

Dated: 21-10-2019

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	2.650	8	0.996	0.79	0.779	27.01	35.95	75420	76480	100370	101790	1.10	8.0	13.8	
2	0.674	4	0.502	0.20	0.198	6.09	9.02	67110	67790	99480	100490	1.50	8.0	18.8	
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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

Executive Engineer,
LJC Development Division, Sargodha

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 490/6-W(Khadir)

Dated: 15-10-2019

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1604 (Page-1/2)

Dated: 21-10-2019

ASTM-A-615

Deformed Bar(AF 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	2.655	8	0.997	0.79	0.780	22.80	34.07	63660	64480	95110	96330	1.00	8.0	12.5	
2	2.668	8	0.999	0.79	0.784	22.81	34.07	63690	64180	95110	95840	1.30	8.0	16.3	
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BEND TEST:

# 8	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

Executive Engineer,
LJC Development Division, Sargodha

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

Client Reference: 491/6-W(Khadir)

SOM Lab

Ref: 1604 (Page-2/2)

Dated: 15-10-2019

Dated: 21-10-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(AF & Ittehad 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	1.499	6	0.749	0.44	0.441	13.63	19.95	68320	68160	99990	99770	1.30	8.0	16.3	
2	1.496	6	0.748	0.44	0.440	13.66	20.08	68470	68470	100660	100660	1.30	8.0	16.3	
3	0.699	4	0.511	0.20	0.205	5.35	7.80	59020	57580	85990	83900	1.60	8.0	20.0	
4	0.696	4	0.511	0.20	0.205	5.35	7.80	59020	57580	85990	83900	1.70	8.0	21.3	
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BEND TEST:

# 6	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

