

Khalid Mahmood

Resident Engineer, NESPAK JV Turk Pak Resident Const. Supervision for Establishment of D. G. Khan (M/s ZKB)

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Client Reference: 4161/RE/SFMKB/DGK/131

SOM Lab Ref: 3338(Page-1/1)

Dated: 26-11-2020

Dated: 30-11-2020

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	2.718	8	1.009	0.79	0.799	28.75	37.61	80250	79350	105010	103830	1.50	8.0	18.8	
2	2.720	8	1.009	0.79	0.799	28.95	37.77	80820	79910	105440	104250	1.40	8.0	17.5	
3	1.511	6	0.752	0.44	0.444	14.04	19.06	70360	69730	95550	94690	1.60	8.0	20.0	
4	1.504	6	0.750	0.44	0.442	14.09	18.76	70620	70300	94020	93590	1.40	8.0	17.5	
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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

Construction Manager
NESPAK, (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 3976/13/MHK/01/152

SOM Lab

Ref: 3339(Page-1/1)

Dated: 27-11-2020

Dated: 30-11-2020

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	1.520	6	0.754	0.44	0.447	16.23	20.20	81340	80070	101270	99690	0.90	8.0	11.3	
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BEND TEST:

# 6	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

Engr Naveed Sadiq
Orbit Developers Private Limited, Lahore

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

Client Reference: nil

Dated: 30-11-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3340(Page-1/1)

Dated: 30-11-2020

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	0.663	4	0.498	0.20	0.195	6.68	9.14	73630	75520	100830	103420	1.00	8.0	12.5	
2	0.662	4	0.498	0.20	0.195	6.71	9.28	73970	75860	102290	104920	0.90	8.0	11.3	
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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

Engr. Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

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

Client Reference: Nil

SOM Lab

Ref: 3341(Page-1/1)

Dated: 30-11-2020

Dated: 30-11-2020

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	2.630	8	0.992	0.79	0.773	20.15	31.24	56260	57500	87230	89140	2.00	8.0	25.0	
2	2.576	8	0.982	0.79	0.757	20.49	31.67	57200	59700	88420	92270	1.80	8.0	22.5	
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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