

Haider Rehman

**Test Performed By:**

Dr. /Engr.

S. Asad Ali Gillani

Lead Design Engr.ANS Associates.(Project: National Foods Limited (NFL)

**Client Reference:** Nil**Dated:** 08-03-2022**SOM Lab Ref:** CED/SOM/6017 (Page-1/1)**Dated:** 08-03-2022**Test:** Tension Test**Test Specification:****Sample Type:** Anchor Bolts (Threaded)**Gauge Length:** 250 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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.977	20	17.91	314	252	112.20	133.50	357	446	425	530	35.0	250	14.0	
2	2.041	20	18.19	314	260	110.50	133.70	352	426	426	515	30.0	250	12.0	
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**BEND TEST:**

-- No Bend test performed

**Note:-**Only Two Samples  
Received and TestedNote: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Ali Mukhtar Ch

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

PMC Friday Foods Company.(Const. Of Food Processing Plant For Friday Foods Company at FSD)

**Client Reference:** FFC/CONST-FF/22/07

**SOM Lab**

**Ref:** 6016 (Page-1/1)

**Dated:** 07-03-2022

**Dated:** 08-03-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.746	8	1.014	0.79	0.807	28.56	37.07	79740	78060	103500	101320	1.30	8.0	16.3	Sample A
2	2.752	8	1.015	0.79	0.809	28.13	36.60	78550	76700	102170	99770	1.30	8.0	16.3	Sample A
3	2.635	8	0.993	0.79	0.774	24.97	32.03	69720	71170	89420	91260	1.50	8.0	18.8	Sample B
4	2.637	8	0.993	0.79	0.775	25.45	32.28	71060	72440	90130	91870	1.40	8.0	17.5	Sample B
5	1.498	6	0.748	0.44	0.440	16.84	20.92	84410	84410	104850	104850	1.30	8.0	16.3	Sample A
6	1.499	6	0.749	0.44	0.441	16.69	20.66	83640	83450	103570	103340	1.10	8.0	13.8	Sample A
7	1.497	6	0.748	0.44	0.440	15.19	20.69	76130	76130	103720	103720	1.00	8.0	12.5	Sample B
8	1.496	6	0.748	0.44	0.440	14.58	20.13	73070	73070	100910	100910	1.30	8.0	16.3	Sample B
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**BEND TEST:**

# 8(A)	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve Samples Received and Tested
# 8(B)	Sample bend through 180 degrees Satisfactorily without any crack	
# 6(A)	Sample bend through 180 degrees Satisfactorily without any crack	
# 6(B)	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](http://www.uet-civil.edu.pk)

Muhammad Sohail  
Senior Store Officer For Comd MES (A) Khn Kharian Cantt.

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

Client Reference: 3018-Enlistment/18/E-3

SOM Lab

Ref: 6018 (Page-1/1)

Dated: 07-03-2022

Dated: 08-03-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.551	6	0.762	0.44	0.456	12.23	18.71	61320	59170	93760	90470	1.40	8.0	17.5	
2	1.559	6	0.764	0.44	0.458	12.28	18.14	61570	59150	90950	87380	1.30	8.0	16.3	
3	1.057	5	0.629	0.31	0.311	8.79	12.66	62520	62320	90070	89780	1.20	8.0	15.0	
4	1.064	5	0.631	0.31	0.313	9.02	12.81	64180	63570	91160	90290	1.10	8.0	13.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six Samples Received and Tested
# 5	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](http://www.uet-civil.edu.pk)

Engr. Javed Asad

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

CRE JIP Consultants.(Const.of Jalapur Irrigation Canal and Its System)(No.JIP/WkS/ICB/P2)

**Client Reference:** JIPIC/TECH/CRE/P2/51

**SOM Lab**

**Ref:** 6019 (Page-1/1)

**Dated:** 01-03-2022

**Dated:** 08-03-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (SGI 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.672	6	0.791	0.44	0.491	15.11	22.75	75720	67860	114040	102200	1.20	8.0	15.0	
2	1.666	6	0.790	0.44	0.490	14.29	21.81	71640	64330	109340	98190	1.30	8.0	16.3	
3	0.656	4	0.496	0.20	0.193	5.76	8.79	63510	65820	96900	100410	1.20	8.0	15.0	
4	0.656	4	0.496	0.20	0.193	5.96	9.12	65760	68150	100610	104260	1.00	8.0	12.5	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Engr. Tajammal Farooq

**Test Performed By:**

Dr. /Engr. S Asad Ali Gillani

RE (AZEA) QABP Skp.(Const. Of Multi Purpose Complex At Quaid-E-Azam Business Park On M-2)

**Client Reference:** RE/AZE/MPC-191

**SOM Lab**

**Ref:** 6020 (Page-1/2)

**Dated:** 22-02-2022

**Dated:** 08-03-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.604	6	0.774	0.44	0.471	18.81	22.63	94270	88070	113430	105970	1.00	8.0	12.5	
2	1.553	6	0.762	0.44	0.456	16.16	19.54	80990	78150	97950	94510	1.00	8.0	12.5	
3	0.662	4	0.498	0.20	0.195	6.85	8.46	75540	77480	93300	95690	1.10	8.0	13.8	
4	0.661	4	0.497	0.20	0.194	6.85	8.58	75540	77880	94650	97580	1.00	8.0	12.5	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Engr. Tajammal Farooq

**Test Performed By:**

Dr. /Engr. S Asad Ali Gillani

RE (AZEA) QABP Skp.(Const. Of Multi Purpose Complex At Quaid-E-Azam Business Park On M-2)

**Client Reference:** RE/AZE/MPC-193

**SOM Lab**

**Ref:** 6020 (Page-2/2)

**Dated:** 22-02-2022

**Dated:** 08-03-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.630	8	0.992	0.79	0.773	27.34	34.37	76330	78000	95960	98070	1.30	8.0	16.3	
2	2.588	8	0.984	0.79	0.761	28.36	35.19	79170	82190	98240	101980	1.00	8.0	12.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engr. Umar Majeed  
Addl.Chief Engr. Urban Developers.Lahore

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

Client Reference: UD/Adc/112

SOM Lab

Ref: 6021 (Page-1/1)

Dated: 08-03-2022

Dated: 08-03-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.504	6	0.750	0.44	0.442	14.88	20.05	74600	74260	100500	100050	1.20	8.0	15.0	
2	1.524	6	0.755	0.44	0.448	15.11	20.66	75720	74370	103570	101720	1.30	8.0	16.3	
3	0.665	4	0.498	0.20	0.195	7.36	9.55	81160	83240	105330	108030	1.10	8.0	13.8	
4	0.654	4	0.494	0.20	0.192	6.93	9.12	76440	79620	100610	104800	1.10	8.0	13.8	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Executive Engineer

Test Performed By:

Dr. /Engr.

S. Asad Ali  
Gillani

Road Const.Div Gujranwala.(Dualz Of Rd From Grw To M-2 Interchange At Kot Sarwer Via Hfz)

Client Reference: 1470/CB

SOM Lab

Ref: 6022 (Page-1/1)

Dated: 02-03-2022

Dated: 08-03-2022

Test: Tension Test &amp; 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.746	8	1.014	0.79	0.807	19.11	28.31	53360	52240	79030	77360	2.20	8.0	27.5	
2	2.719	8	1.009	0.79	0.799	18.45	25.28	51510	50930	70580	69780	2.30	8.0	28.8	
3	1.597	6	0.773	0.44	0.469	15.16	24.87	75980	71280	124670	116960	0.90	8.0	11.3	
4	1.542	6	0.759	0.44	0.453	10.88	15.31	54520	52960	76750	74540	1.50	8.0	18.8	
5	0.678	4	0.503	0.20	0.199	6.75	7.80	74420	74790	85990	86430	1.20	8.0	15.0	
6	0.673	4	0.502	0.20	0.198	7.24	8.43	79810	80620	92960	93900	1.20	8.0	15.0	
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**BEND TEST:**

# 8 Sample bend through 180 degrees Satisfactorily without any crack

# 6 Sample bend through 180 degrees Satisfactorily without any crack

# 4 Sample bend through 180 degrees Satisfactorily without any crack

**Note:-**Only Nine Samples  
Received and TestedNote: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muddasir Ali  
Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: Nil

Dated: 08-03-2022

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 6023 (Page-1/1)

Dated: 08-03-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.663	8	0.998	0.79	0.783	25.74	34.66	71860	72500	96760	97620	1.30	8.0	16.3	
2	1.621	6	0.778	0.44	0.476	15.29	20.44	76640	70850	102450	94700	1.30	8.0	16.3	
3	0.654	4	0.494	0.20	0.192	6.85	9.07	75540	78690	100050	104210	1.20	8.0	15.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six 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](http://www.uet-civil.edu.pk)

Maj Adnan Khalid (R)

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Dy Dir MTL DHA Lahore,(Infra Dev Works Of Pkg-7 J-Block DHA Ph-IX (M/s DHA-C))

Client Reference: 408/241/32/Lab/66/23SW

SOM Lab

Ref: 6024 (Page-1/1)

Dated: 07-03-2022

Dated: 08-03-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Moiz 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.593	4	0.471	0.20	0.174	5.57	8.09	61380	70550	89250	102590	1.30	8.0	16.3	
2	0.594	4	0.472	0.20	0.175	5.63	8.10	62050	70920	89370	102130	1.20	8.0	15.0	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)