

Engr. Zaheer Ud Din Babar

**Test Performed By:**

Dr. /Engr. Asad Ali Gillani

Dy. General Manager Projects.HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

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**Client Reference:** HRLE/SKG/2022/071/2161,2166/RETEST

**SOM Lab Ref:**

1/1)

**Dated:** 04-10-2022

**Dated:**

04-10-2022

**Test:** Tension Test

**Test Specification:**

ASTM-A-615

**Guage Length:** 200 mm

**Sample Type:**

MS Deformed Bar (Afco 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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.805	25	24.85	491	485	207.70	324.00	423	429	660	669	42.5	200	21.3	
2	3.780	25	24.76	491	482	207.50	323.70	423	431	659	673	45.0	200	22.5	
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**BEND TEST:**

25mm	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)

Muhammad Asif

Test Performed By:

Dr. /Engr.

Nauman Khurram

PM Imperium Developers,Lahore.(Const Of Sixty6 At Gulberg-III Lhr)

Client Reference: IMP/PM/66/02/102

Dated: 04-10-2022

SOM Lab Ref: CED/SOM/1026(Page-1/1)

Dated: 04-10-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: MS 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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.893	25	25.13	491	496	214.70	329.50	437	433	671	665	37.5	200	18.8	
2	3.910	25	25.18	491	498	214.00	333.00	436	430	678	669	37.5	200	18.8	
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Witnessed By: Nazam Sohail (Imperium Developer)

**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<p><b>Note:-</b></p> <p>Only Three Samples Received and Tested</p>

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

Muhammad Azmat ,RE

**Test Performed By:**

**Dr. /Engr.**

Nauman Khurram

Nespak-Turk Pak JV, MCH Bwn.(Estb Of 200 Bedded Mother And Child Hospital & Nursing College)

**Client Reference:** 4460/13/MA/04/49

**SOM Lab**

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**Ref:**

1/2)

**Dated:** 29-09-2022

**Dated:**

04-10-2022

**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	2.614	8	0.989	0.79	0.768	23.77	33.44	66370	68270	93340	96020	1.30	8.0	16.3	
2	2.658	8	0.997	0.79	0.781	23.82	32.33	66510	67270	90270	91310	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 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)

Muhammad Azmat ,RE

**Test Performed By:**

Dr. /Engr. Nauman Khurram

Nespak-Turk Pak JV, MCH Bwn.(Estb Of 200 Bedded Mother And Child Hospital & Nursing College)

**Client Reference:** 4460/13/MA/04/54

**SOM Lab** 1020 (Page-

**Ref:** 2/2)

**Dated:** 03-10-2022

**Dated:** 04-10-2022

**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	2.625	8	0.991	0.79	0.771	25.96	35.19	72480	74270	98240	100660	1.30	8.0	16.3	
2	2.651	8	0.996	0.79	0.779	26.32	34.30	73480	74520	95760	97110	1.30	8.0	16.3	
3	1.465	6	0.741	0.44	0.431	17.20	21.27	86200	88000	106640	108860	1.00	8.0	12.5	
4	1.518	6	0.754	0.44	0.446	14.07	18.60	70510	69560	93250	92000	1.40	8.0	17.5	
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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	

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

Engr. Mian Mubashar Rafiq

**Test Performed By:**

Dr. /Engr.

Wasim Abbas

PM Union Developers Lhr.(const. Of Union Luxury Apartments,Etihad Town Lahore.)

**Client Reference:** UA/SO/2022/025

**SOM Lab** 1021 (Page-

**Ref:** 1/1)

**Dated:** 01-10-2022

**Dated:** 04-10-2022

**Test:** Tension Test & Bend Test

**Test Specification:**

ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:**

Deformed Bar (Afco 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	0.674	4	0.502	0.20	0.198	7.24	9.23	79810	80620	101730	102760	1.00	8.0	12.5	
2	0.658	4	0.496	0.20	0.193	7.21	9.25	79470	82360	101960	105650	1.10	8.0	13.8	
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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)

Muddasir Ali  
Lahore

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab 1022 (Page-

Ref: 1/1)

Dated: 04-10-2022

Dated: 04-10-2022

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	1.514	6	0.753	0.44	0.445	14.07	19.47	70510	69720	97590	96500	1.20	8.0	15.0	
2	1.021	5	0.618	0.31	0.300	10.27	13.56	73030	75470	96460	99670	1.20	8.0	15.0	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Four 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)

Elite Engineering Pvt.Ltd  
Lahore

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab 1024 (Page-

Ref: 1/1)

Dated: 04-10-2022

Dated: 04-10-2022

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	1.496	6	0.748	0.44	0.440	15.77	19.95	79050	79050	99990	99990	1.10	8.0	13.8	
2	0.671	4	0.501	0.20	0.197	5.66	8.18	62390	63340	90150	91530	1.50	8.0	18.8	
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**BEND TEST:**

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

Muhammad Irfan  
Project Engr. DHA Gujranwala.(Sector C)

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

Client Reference: 111/15/PE/RS/Pkg-2A/694

SOM Lab 1025 (Page-

Ref: 1/1)

Dated: 03-10-2022

Dated: 04-10-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Nomee 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	2.632	8	0.992	0.79	0.773	25.84	34.40	72140	73730	96050	98160	1.20	8.0	15.0	
2	2.613	8	0.989	0.79	0.768	25.89	34.81	72290	74360	97190	99970	1.30	8.0	16.3	
3	1.464	6	0.740	0.44	0.430	14.60	20.03	73170	74870	100400	102740	1.20	8.0	15.0	
4	1.455	6	0.738	0.44	0.428	13.83	19.27	69340	71280	96570	99280	1.10	8.0	13.8	
5	0.666	4	0.500	0.20	0.196	5.96	9.35	65760	67100	103080	105180	1.10	8.0	13.8	
6	0.658	4	0.496	0.20	0.193	5.86	9.07	64640	66980	100050	103670	1.00	8.0	12.5	
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Witnessed By: Amir Shehzad L.T DHAG

**BEND TEST:**

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