

Arfan Nazir  
DHA Phase-8 Lahore.

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

Client Reference: CS/MH/323-1

SOM Lab Ref: 1285 (Page-1/1)

Dated: 15-11-2022

Dated: 21-11-2022

Test: Tension Test

Test Specification: ASTM-A-615

Guage Length: 200 mm

Sample Type: MS Def Bar (Mughal Supreme)

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	0.980	12	12.62	113	125	69.70	88.70	617	558	785	710	25.0	200	12.5	
2	0.977	12	12.59	113	124	70.00	89.00	619	563	788	715	27.5	200	13.8	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Two 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)

Arfan Nazir

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Manager Civil, Nishat Mills Ltd. (Const of Nishat Stitching Bath Division Lahore)

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1/1)

Client Reference: NDF/ST/010

SOM Lab Ref:

Dated: 19-11-2022

Dated:

21-11-2022

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS Def 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)				
	kg/m	mm	mm	mm <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.814	25	24.88	491	486	229.50	307.00	467	473	625	632	40.0	200	20.0	
2	3.832	25	24.93	491	488	234.00	310.20	477	480	632	636	40.0	200	20.0	
3	2.492	20	20.10	314	317	152.20	229.70	485	480	732	724	32.5	200	16.3	
4	2.504	20	20.15	314	319	152.20	230.00	485	478	732	722	35.0	200	17.5	
5	0.872	12	11.90	113	111	52.00	71.70	460	468	635	646	32.5	200	16.3	
6	0.872	12	11.89	113	111	51.70	71.20	458	466	630	642	35.0	200	17.5	
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**BEND TEST:**

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
20mm	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](http://www.uet-civil.edu.pk)

Naveed Ahmad

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Asst Dir Lab DHA Bahawalpur Cantonment.(Masjid Sec-B)(Multiline Engg)

Client Reference: 535/QCMTL/DHAB

Dated: 21-11-2022

SOM Lab Ref: CED/SOM/1281(Page-1/1)

Dated: 21-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Kamran Steel)

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	0.896	12	12.05	113	114	55.50	75.00	491	487	663	658	30.0	200	15.0	
2	0.883	12	11.97	113	113	58.70	76.50	519	522	676	680	27.5	200	13.8	
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**BEND TEST:**

12mm	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)

Zohaib Anjum  
Rockwell Corporation Pvt Ltd.(Sitara Chemical Industries Ltd)

**Test Performed By:** Dr. /Engr. Nauman Khurram

**Client Reference:** Nil  
**SOM Lab Ref:** CED/SOM/1287(Page-1/1)  
**Test:** Tension Test & Bend Test  
**Sample Type:** Deformed Bar (FF Steel)

**Dated:** 21-11-2022  
**Dated:** 21-11-2022  
**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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.272	20	19.18	314	289	189.20	223.00	602	655	710	772	35.0	200	17.5	
2	2.259	20	19.14	314	288	196.00	230.20	624	682	733	801	27.5	200	13.8	
3	1.586	16	16.04	201	202	98.70	135.20	491	489	672	670	35.0	200	17.5	
4	1.582	16	16.02	201	202	99.20	135.70	493	493	675	674	37.5	200	18.8	
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**BEND TEST:**

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six Samples Received and Tested
16mm	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. Tayyab Rasool,PM

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

Renaissance International,(Const Of House No 392,393 S Block at LMC Project,Skp Road,Lhr)

**Client Reference:** QC/22/045

**SOM Lab**

**Ref:** 1278 (Page-1/1)

**Dated:** 21-11-2022

**Dated:** 21-11-2022

**Test:** Tension Test & Bend Test

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

Deformed Bar (Pak

**Gauge Length:** 8 inch

**Sample Type:** 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	1.454	6	0.737	0.44	0.427	10.35	16.28	51860	53440	81600	84080	1.20	8.0	15.0	
2	1.385	6	0.720	0.44	0.407	9.25	13.56	46350	50100	67960	73470	1.30	8.0	16.3	
3	0.519	4	0.441	0.20	0.153	3.13	4.43	34510	45110	48900	63920	1.50	8.0	18.8	
4	0.521	4	0.441	0.20	0.153	3.33	4.45	36760	48050	49130	64220	1.60	8.0	20.0	
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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)

Naveed Ahmad

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Asst Dir Lab DHA Bahawalpur Cantonment.(Masjid Sec-B)(Multiline Engg)

Client Reference: 535/QCMTL/DHAB

SOM Lab

Ref: 1279 (Page-1/1)

Dated: 21-11-2022

Dated: 21-11-2022

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.675	8	1.000	0.79	0.786	26.71	35.80	74560	74940	99950	100450	1.10	8.0	13.8	
2	2.666	8	0.998	0.79	0.783	24.31	33.84	67870	68480	94480	95330	1.30	8.0	16.3	
3	1.473	6	0.743	0.44	0.433	13.58	18.88	68060	69160	94630	96160	1.10	8.0	13.8	
4	1.499	6	0.749	0.44	0.441	16.36	21.53	82010	81820	107910	107670	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
# 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)

Naveed Ahmad

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

Asst Dir Lab DHA Bahawalpur Cantonment.(PSO Pump DHA Bwp MB#02)(HSK & Co)

Client Reference: 535/QCMTL/DHAB

SOM Lab

Ref: 1280 (Page-1/1)

Dated: 21-11-2022

Dated: 21-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Moeez 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	1.506	6	0.751	0.44	0.443	13.37	19.39	67040	66590	97180	96530	1.30	8.0	16.3	
2	1.512	6	0.752	0.44	0.444	13.43	19.34	67290	66690	96930	96060	1.50	8.0	18.8	
3	0.602	4	0.475	0.20	0.177	5.76	8.26	63510	71770	91050	102880	1.30	8.0	16.3	
4	0.601	4	0.475	0.20	0.177	5.78	8.28	63740	72020	91280	103140	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 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)

Sub Divisional Officer,

**Test Performed By:**

Dr. /Engr. Asad Ali Gillani

Highway Sub Div No.II Gujrat.(Const Of Bridge & Approach Rd Over Rainy Nullah Near Village Barilla)

**Client Reference:** 1009/MCB

**SOM Lab**

**Ref:** 1282 (Page-1/2)

**Dated:** 06-10-2022

**Dated:** 21-11-2022

**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	2.662	8	0.998	0.79	0.782	25.28	33.51	70580	71300	93540	94500	1.60	8.0	20.0	
2	2.664	8	0.998	0.79	0.783	24.99	33.25	69780	70400	92830	93660	1.40	8.0	17.5	
3	1.458	6	0.738	0.44	0.428	12.61	18.60	63210	64980	93250	95860	1.30	8.0	16.3	
4	1.471	6	0.742	0.44	0.432	13.35	18.50	66940	68180	92740	94460	1.50	8.0	18.8	
5	1.055	5	0.628	0.31	0.310	9.15	13.86	65130	65130	98630	98630	1.20	8.0	15.0	
6	1.046	5	0.625	0.31	0.307	9.02	13.73	64180	64810	97690	98640	1.20	8.0	15.0	
7	0.668	4	0.500	0.20	0.196	5.91	8.51	65200	66530	93860	95780	1.30	8.0	16.3	
8	0.666	4	0.500	0.20	0.196	6.03	8.56	66550	67910	94420	96350	1.30	8.0	16.3	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	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)



Sub Divisional Officer,

**Test Performed By:**

Dr. /Engr. Asad Ali Gillani

Highway Sub Div No.II Gujrat.(Const Of Bridge & Approach Rd Over Rainy Nullah Near Village Barilla)

**Client Reference:** 1007/MCB

**SOM Lab**

**Ref:** 1282 (Page-2/2)

**Dated:** 06-10-2022

**Dated:** 21-11-2022

**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	2.673	8	1.000	0.79	0.786	25.10	33.38	70070	70420	93200	93680	1.50	8.0	18.8	
2	2.681	8	1.002	0.79	0.788	25.15	33.38	70210	70390	93200	93440	1.60	8.0	20.0	
3	1.490	6	0.747	0.44	0.438	12.71	18.40	63720	64010	92230	92650	1.20	8.0	15.0	
4	1.459	6	0.739	0.44	0.429	13.46	18.50	67450	69180	92740	95120	1.50	8.0	18.8	
5	0.672	4	0.501	0.20	0.197	5.81	8.46	64080	65050	93300	94720	1.20	8.0	15.0	
6	0.666	4	0.500	0.20	0.196	5.93	8.58	65420	66760	94650	96580	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 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)

Sub Divisional Officer,

**Test Performed By:**

**Dr. /Engr. Asad Ali Gillani**

Highway Sub Div Mianwali.(Dualization Of Rd from Account Office Chowk To Railway Line Mwi City)

**Client Reference:** 1153/SDO/Mwi

**SOM Lab**

**Ref:** 1283 (Page-1/1)

**Dated:** 22-10-2022

**Dated:** 21-11-2022

**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	2.676	8	1.000	0.79	0.786	25.18	36.16	70290	70650	100940	101460	1.20	8.0	15.0	
2	2.674	8	1.000	0.79	0.786	30.58	38.30	85380	85810	106920	107460	1.10	8.0	13.8	
3	1.508	6	0.751	0.44	0.443	14.29	19.57	71640	71150	98100	97440	1.40	8.0	17.5	
4	1.502	6	0.749	0.44	0.441	14.85	19.69	74450	74280	98720	98490	1.30	8.0	16.3	
5	0.674	4	0.502	0.20	0.198	5.81	8.82	64080	64720	97230	98220	1.30	8.0	16.3	
6	0.673	4	0.502	0.20	0.198	6.54	9.07	72170	72900	100050	101060	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 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)

Muhammad Usama ,RE

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

NesPak Isb.(Const Of Library,Campus Mosque,Sports Gym,Medical Centre etc of Ghazi Uni DGK)

Client Reference: 4026/325/MU/Misc/004

SOM Lab

Ref: 1288 (Page-1/1)

Dated: 20-11-2022

Dated: 21-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (FF 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	1.463	6	0.740	0.44	0.430	14.65	19.83	73430	75130	99380	101690	1.00	8.0	12.5	
2	1.459	6	0.739	0.44	0.429	14.58	19.85	73070	74940	99480	102030	1.20	8.0	15.0	
3	1.023	5	0.619	0.31	0.301	9.43	13.40	67090	69090	95370	98220	1.40	8.0	17.5	
4	1.035	5	0.622	0.31	0.304	9.58	13.73	68170	69520	97690	99620	1.50	8.0	18.8	
5	0.600	4	0.473	0.20	0.176	5.30	7.24	58460	66430	79810	90690	1.50	8.0	18.8	
6	0.598	4	0.473	0.20	0.176	5.27	7.26	58120	66040	80040	90950	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
# 5	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)

Yasir Ahmad  
GM-Works FF Steel Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 1289 (Page-1/1)

Dated: 10-11-2022

Dated: 21-11-2022

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	1.061	5	0.630	0.31	0.312	10.24	13.71	72890	72420	97540	96920	1.20	8.0	15.0	
2	1.054	5	0.628	0.31	0.310	10.14	13.61	72160	72160	96820	96820	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Two 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)