

Muhammad Nadeem Bhatti,MP
 Projex(Engro Enfrashare)ID:ES2-QTA-07234,ES2-07237)

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

Client Reference: PCP/Eng-09

Dated: 13-01-2023

SOM Lab Ref: CED/SOM/1613(Page-1/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.949	12	12.41	113	121	69.50	89.50	615	575	791	740	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Muhammad Nadeem Bhatti,MP
 Projex(Engro Enfrashare) IDs:ES2-QTA-07234,ES2-07237)

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

Client Reference: PCP/Eng-09

Dated: 13-01-2023

SOM Lab Ref: CED/SOM/1613(Page-2/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.551	16	15.88	201	198	112.70	137.00	561	570	681	692	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Muhammad Nadeem Bhatti,MP
 Projex(Engro Enfrashare) IDs:ES2-QTA-07234,ES2-07237)

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

Client Reference: PCP/Eng-09

Dated: 13-01-2023

SOM Lab Ref: CED/SOM/1613(Page-3/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.272	20	19.18	314	289	150.00	197.00	477	520	627	682	32.5	200	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

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

Muhammad Nadeem Bhatti,MP

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

Projex(Engro Enfrashare)ID:EN1-JRD-06803,EC1-SKT-06418,EN1-PSD-05651,EN2-DIK-06749)

Client Reference: PCP/Eng-09

Dated: 13-01-2023

SOM Lab Ref: CED/SOM/1614(Page-1/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.983	12	12.62	113	125	76.20	94.00	674	610	831	752	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

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Muhammad Nadeem Bhatti,MP

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

Projex(Engro Enfrashare)ID:EN1-JRD-06803,EC1-SKT-06418,EN1-PSD-05651,EN2-DIK-06749)

Client Reference: PCP/Eng-09

Dated: 13-01-2023

SOM Lab Ref: CED/SOM/1614(Page-2/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.542	16	15.80	201	196	117.00	143.50	582	597	714	733	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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Test Performed By:

Dr. /Engr.

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Projex(Engro Enfrashare)ID:EN1-JRD-06803,EC1-SKT-06418,EN1-PSD-05651,EN2-DIK-06749)

Client Reference: PCP/Eng-09

Dated: 13-01-2023

SOM Lab Ref: CED/SOM/1614(Page-3/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.291	20	19.28	314	292	149.70	197.70	477	513	629	678	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Muhammad Nadeem Bhatti,MP

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

Projex(Engro Enfrashare)ID:EN1-PSW-06806,EN1-RWP-07077,ES2-QTA-06924,ES2-QTA-06620)

Client Reference: PCP/Eng-09

Dated: 13-01-2023

SOM Lab Ref: CED/SOM/1615(Page-1/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.000	12	12.72	113	127	67.20	88.20	594	530	780	695	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Muhammad Nadeem Bhatti,MP

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

Projex(Engro Enfrashare)ID:EN1-PSW-06806,EN1-RWP-07077,ES2-QTA-06924,ES2-QTA-06620)

Client Reference: PCP/Eng-09

Dated: 13-01-2023

SOM Lab Ref: CED/SOM/1615(Page-2/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.544	16	15.84	201	197	117.50	141.00	584	597	701	716	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

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Test Performed By:

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S.Asad Ali Gillani

Projex(Engro Enfrashare)ID:EN1-PSW-06806,EN1-RWP-07077,ES2-QTA-06924,ES2-QTA-06620)

Client Reference: PCP/Eng-09

Dated: 13-01-2023

SOM Lab Ref: CED/SOM/1615(Page-3/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.268	20	19.18	314	289	152.50	196.00	485	528	624	679	32.5	200	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

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Muhammad Nadeem Bhatti,MP

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

Projex(Engro Enfrashare)ID:ES2-UBA-06365,EC2-MZG-06674,EC2-FSD-06678,EC1-SHW-06257)

Client Reference: PCP/Eng-09

Dated: 14-01-2023

SOM Lab Ref: CED/SOM/51616(Page-1/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.979	12	12.62	113	125	69.50	90.00	615	556	796	720	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

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Muhammad Nadeem Bhatti,MP

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

Projex(Engro Enfrashare)ID:ES2-UBA-06365,EC2-MZG-06674,EC2-FSD-06678,EC1-SHW-06257)

Client Reference: PCP/Eng-09

Dated: 14-01-2023

SOM Lab Ref: CED/SOM/51616(Page-2/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.556	16	15.88	201	198	114.70	138.70	570	580	690	701	25.0	200	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

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Muhammad Nadeem Bhatti,MP

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

Projex(Engro Enfrashare)ID:ES2-UBA-06365,EC2-MZG-06674,EC2-FSD-06678,EC1-SHW-06257)

Client Reference: PCP/Eng-09

Dated: 14-01-2023

SOM Lab Ref: CED/SOM/51616(Page-3/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.243	20	19.08	314	286	158.50	196.00	505	555	624	686	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

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Test Performed By:

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S.Asad Ali Gillani

Projex(Engro Enfrashare)ID:ES2-QTA-06922,ES2-SGH-07095,ES2-LKN-07118,EN1-PSW-02713)

Client Reference: PCP/Eng-09

Dated: 13-01-2023

SOM Lab Ref: CED/SOM/1617(Page-1/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.956	12	12.46	113	122	62.20	90.70	550	510	802	744	22.5	200	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Muhammad Nadeem Bhatti,MP

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

Projex(Engro Enfrashare)ID:ES2-QTA-06922,ES2-SGH-07095,ES2-LKN-07118,EN1-PSW-02713)

Client Reference: PCP/Eng-09

Dated: 13-01-2023

SOM Lab Ref: CED/SOM/1617(Page-2/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.551	16	15.88	201	198	113.70	139.70	565	575	695	706	35.0	200	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Muhammad Nadeem Bhatti,MP

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

Projex(Engro Enfrashare)ID:ES2-QTA-06922,ES2-SGH-07095,ES2-LKN-07118,EN1-PSW-02713)

Client Reference: PCP/Eng-09

Dated: 13-01-2023

SOM Lab Ref: CED/SOM/1617(Page-3/3)

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.267	20	19.18	314	289	151.20	197.70	481	524	629	685	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Muhammad Hassan Khan,RE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Nespak Sighpura Sports Complex,Lahore.(Const Of Estb Of Sports Complex In Singh Pura)

Client Reference: 3772/103/NA122/RE/05/06

SOM Lab

Ref: 1610 (Page-1/1)

Dated: 12-01-2023

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Batala premium)

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	15.67	22.19	78530	77310	111230	109490	1.10	8.0	13.8	
2	1.502	6	0.749	0.44	0.441	16.26	22.75	81500	81310	114040	113790	1.20	8.0	15.0	
3	0.682	4	0.505	0.20	0.200	6.63	9.40	73070	73070	103640	103640	1.00	8.0	12.5	
4	0.677	4	0.503	0.20	0.199	6.73	9.50	74190	74560	104770	105290	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Umer Maqsood

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

PM AJK Engineers (Pvt.) Ltd.(Const Of AL-Rasheed Residencia,6 Street D,Upper Mall Lhr)

Client Reference: AJK/UET/2023/01/01

SOM Lab

Ref: 1611 (Page-1/1)

Dated: 19-01-2023

Dated: 19-01-2023

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	2.612	8	0.989	0.79	0.768	28.70	35.88	80110	82410	100170	103040	1.40	8.0	17.5	
2	1.538	6	0.759	0.44	0.452	14.73	18.96	73830	71870	95040	92510	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Siddique Akbar Khan

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

PE Kadioglu Global Const.(Refurbishment,Furnishing and Allied E & M Works Of Mega NRC Lhr)

Client Reference: KGC/023/12

SOM Lab

Ref: 1612 (Page-1/1)

Dated: 19-01-2023

Dated: 19-01-2023

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	0.670	4	0.501	0.20	0.197	4.84	7.75	53400	54210	85430	86730	1.40	8.0	17.5	
2	0.672	4	0.501	0.20	0.197	5.17	7.77	56990	57860	85660	86960	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Ilyas Majeed Sheikh

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Chairman Eagle Developers.(Project Of Dream Galleria Garden,Lahore)

Client Reference: Nil

SOM Lab

Ref:

1618 (Page-1/1)

Dated: 19-01-2023

Dated:

19-01-2023

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	2.535	8	0.974	0.79	0.745	23.52	32.49	65650	69620	90700	96170	1.40	8.0	17.5	
2	1.464	6	0.740	0.44	0.430	15.85	19.88	79450	81300	99640	101950	1.40	8.0	17.5	
3	0.618	4	0.481	0.20	0.182	7.10	8.72	78350	86100	96110	105620	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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	
# 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

Abdul Waheed Anwar

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Sr.A/C & Admin Manager QUBE a Project Of P&D Pvt Ltd. Faisalabad.

Client Reference: Nil

SOM Lab

Ref:

1619 (Page-1/1)

Dated: 19-01-2023

Dated:

19-01-2023

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	2.592	8	0.985	0.79	0.762	29.79	35.34	83160	86210	98660	102290	1.20	8.0	15.0	
2	2.575	8	0.982	0.79	0.757	30.60	35.60	85430	89160	99380	103710	1.10	8.0	13.8	
3	1.505	6	0.750	0.44	0.442	14.95	20.13	74960	74620	100910	100460	1.50	8.0	18.8	
4	1.509	6	0.751	0.44	0.443	14.88	19.98	74600	74100	100150	99470	1.50	8.0	18.8	
5	0.611	4	0.479	0.20	0.180	6.09	7.46	67110	74570	82290	91430	1.20	8.0	15.0	
6	0.614	4	0.479	0.20	0.180	6.29	7.56	69360	77060	83410	92680	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

Muhammad Shafi

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

Dy. Manager PIEDMC Chunian.(Const And Maintenance Works In Chunian Aqua Business Park)

Client Reference: PIE/CABP/QAQC/MSL/17

SOM Lab

Ref: 1620 (Page-1/1)

Dated: 19-01-2023

Dated: 19-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Batala 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	0.669	4	0.501	0.20	0.197	6.85	8.92	75540	76690	98360	99860	1.30	8.0	16.3	
2	0.667	4	0.500	0.20	0.196	7.16	9.23	78910	80520	101730	103810	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Ahsan Zubair

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Nespak Lahore.(Const Of Underpass at Samanabad Morr)

SOM Lab

Ref:

1621 (Page-1/1)

Client Reference: 4403/03/AZ/Lab/Steel-0012

Dated: 11-01-2023

Dated:

19-01-2023

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.625	8	0.991	0.79	0.771	23.87	33.56	66650	68290	93680	95990	1.70	8.0	21.3	
2	2.611	8	0.988	0.79	0.767	23.26	33.33	64940	66890	93060	95850	1.70	8.0	21.3	
3	1.517	6	0.754	0.44	0.446	14.14	19.62	70870	69920	98360	97040	1.40	8.0	17.5	
4	1.522	6	0.754	0.44	0.447	14.22	19.67	71280	70160	98610	97070	1.60	8.0	20.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight Samples Received and Tested
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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

