

To,
 Mr. Karar Abbas (Sr. Assistant Manager)
 Pioneer Cement
 -

Reference # CED/TFL 7227 (Dr. Usman Akmal)
 Reference of the request letter # PCL/PL04/UET/DSB/1650

Dated: 16-07-2025
 Dated: 16-07-2025

Tension Test Report (Page-1/2)

Date of Test 17-07-2025
 Gauge Length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (mm)	Actual Diameter (inch)	Area (in ²)		Yield Load (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.402	10	0.388	0.120	0.118	46.70	57.20	87453	88909	107116	108899	1.2	15.0	101 AE
2	0.401	10	0.387	0.120	0.118	45.70	56.20	85581	87103	105243	107116	1.0	12.5	101 AE
3	0.406	10	0.390	0.120	0.119	41.7	55.50	78090	78555	103933	104552	1.2	15.0	102 AE
4	0.404	10	0.389	0.120	0.119	42.5	55.20	79588	80507	103371	104565	1.2	15.0	102 AE
5	0.406	10	0.39	0.120	0.119	43.2	57.70	80899	81334	108052	108634	1.4	17.5	103 AE
6	0.407	10	0.39	0.120	0.12	43	58.20	80524	80774	108989	109327	1.3	16.25	103 AE
Note: Only 6 Samples for Tensile and 3 Samples for Bend test														

Bend Test	
10mm Bar Bend Test Through 180 Degree is Satisfactory	
10mm Bar Bend Test Through 180 Degree is Satisfactory	
10mm Bar Bend Test Through 180 Degree is Satisfactory	

Test Performed and Verified by:

To,
 Mr. Karar Abbas (Sr. Assistant Manager)
 Pioneer Cement
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Reference # CED/TFL 7227 (Dr. Usman Akmal)
 Reference of the request letter # PCL/PL04/UET/DSB/1650

Dated: 16-07-2025
 Dated: 16-07-2025

Tension Test Report (Page-2/2)

Date of Test 17-07-2025
 Gauge Length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (mm)	Actual Diameter (inch)	Area (in ²)		Yield Load (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
7	0.403	10	0.389	0.120	0.119	40.70	54.50	76217	77141	102060	103296	1.3	16.3	104 AE
8	0.405	10	0.389	0.120	0.119	39.00	53.70	73034	73588	100562	101325	1.4	17.5	104 AE
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 Samples for Tensile and 1 Samples for Bend test

Bend Test	
10mm Bar Bend Test Through 180 Degree is Satisfactory	

Test Performed and Verified by:

To,

Mr. Muhammad Afnan Talha (Project Coordinator)

Fortis Tower LLP

Construction Supervision of Infrastructure Development Work of Fortis Tower Bahria Town Phase 8
Rawalpindi (Islamabad Supreme)

Reference # CED/TFL 7230 (Dr. Usman Akmal)

Dated: 17-07-2025

Reference of the request letter # Nil

Dated: 17-07-2025

Tension Test Report (Page-1/1)

Date of Test 17-07-2025

Gauge Length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.361	3	0.368	0.110	0.106	26.50	38.50	54137	56116	78652	81527	1.7	21.3	-
2	0.365	3	0.369	0.110	0.107	27.70	41.00	56588	58069	83759	85950	1.6	20.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 1 Samples for Bend test														

Bend Test

3 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by: