BANGKOK STEEL WIRE CO., LTD.

24/10 MOO 6 BANGSAOTHONG, SAMUTPRAKARN 10570, THAILAND.

TEL. (66) 2105-0204 FAX. (66) 2105-0208

MILL TEST CERTIFICATE

Customer : BANGKOK STEEL WIRE CO.,LTD.

Description of Goods : 7-WIRE STRANDS FOR PRESTRESSED CONCRETE
(15.2-1860-Low Relaxation Strand ASTM A416/A416M-12a)

Nominal Diameter : 15.2 mm

Specification : ASTM A416/A416M-12a

Certificate No : 003

Page No : 1/1

Date : SEPTEMBER 12, 2019

Invoice No :

No.	Coil No.	Diameter (mm)	Mass (g/m)	Section Area (mm^2)	Tensile Load (kN)	1% Ex. Yield Load (kN)	Elon-gation (%)	Young's Modulus (kN/mm^2)	Straight-ness (mm)	Quantity (Meters)	Weight Coil (Kgs)
1	278-003-544-31	15.32	1,110.6917	141.49	275.50	256.00	5.47	199.13	4.33	2,698	2,997
2	278-003-544-32	15.32	1,110.6917	141.49	275.50	256.00	5.47	199.13	4.33	2,702	3,001
3	278-003-544-33	15.32	1,110.6917	141.49	275.50	256.00	5.47	199.13	4.33	2,702	3,001
4	278-003-544-34	15.32	1,110.6917	141.49	275.50	256.00	5.47	199.13	4.33	2,702	3,001
5	278-003-544-35	15.32	1,110.6917	141.49	275.50	256.00	5.47	199.13	4.33	2,776	3,083
6	278-007-545-31	15.31	1,110.0167	141.40	276.20	259.00	5.20	202.76	4.35	2,705	3,003
7	278-007-545-32	15.31	1,110.0167	141.40	276.20	259.00	5.20	202.76	4.35	2,704	3,001
8	278-007-545-33	15.31	1,110.0167	141.40	276.20	259.00	5.20	202.76	4.35	2,704	3,001
Min.		15.31	1,110.0167	141.40	275.50	256.00	5.20	199.13	4.33		**8**
Max.		15.32	1,110.6917	141.49	276.20	259.00	5.47	202.76	4.35	Grand total	**24,088**
Avg.		15.32	1,110.4386	141.46	275.76	257.13	5.37	200.49	4.34	-	
Lower Spec Limit.		**15.05**	-	**140.00**	**261.00**	**234.60**	**3.50**	-	-	**TIS. 420-2540(1997)**	
Upper Spec Limit.		**15.85**	-	-	-	-	-	-	-	**ASTM A416/A416M-12a**	

Remark : Left Hand Lay	Approve	Check	Issue

FM6-13, REV. : 0, 01/11/16

บริษัท บางกอกสตีลไวร์ จำกัด

24/10 หมู่ 6 ตำบลบางเสาธง อำเภอบางเสาธง จังหวัดสมุทรปราการ 10570 www.bsw.co.th