



TEL. (66) -2716-1600 EXT. 5801-5811, (66) -2716-1575 FAX. (66) -2716-1579



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BANGKOK STEEL WIRE CO.,LTD.

24/10 MOO 6 BANGSAOTHONG, BANGSAOTHONG MINOR DISTRICT,
SAMUTPRAKARN 10540, THAILAND.

TEL. (66)-2312-8216-19, (66)-2740-0835-36 FAX. (66)-2312-8220

MILL TEST CERTIFICATE

Customer :

Description Of Goods : 7-WIRE STRAND FOR PRESTRESSED CONCRETE

(BS 5896/3 Super Strand - 1860 - 12.9 - Relax 2)

Nominal Diameter : 12.9 mm.

Specification : BS 5896:1980

Certificate No : 005

Page No : 1/1

Date : May 26, 2007

Invoice No :

Letter Of Credit No :

Issuing Bank :



No.	Coil No.	Diameter (mm.)	Mass (g/m.)	Section Area (mm. ²)	Tensile Load (kN.)	0.1% Yield Load (kN.)	Elongation (%)	Young's Modulus (kN/mm. ²)	Length Approx (m.)	Weight Coil (Kg.)
1	173-971-482-21	12.91	783.0471	100.8075	193.65	177.00	5.21%	200.8779	4,125	3,230
2	173-971-482-22	12.91	783.0471	100.8075	193.65	177.00	5.21%	200.8779	4,093	3,205
3	183-106-476-21	12.92	782.1954	101.0076	194.80	181.00	5.28%	200.4800	4,265	3,336
4	183-106-476-22	12.92	782.1954	101.0076	194.80	181.00	5.28%	200.4800	4,250	3,324
5	183-255-475-21	12.90	782.1694	101.0056	193.60	178.00	5.18%	200.4840	4,293	3,358
6	183-255-475-22	12.90	782.1694	101.0056	193.60	178.00	5.18%	200.4840	4,163	3,256
Min.		12.90	782.1694	100.8075	193.60	177.00	5.18%	200.4800		6
Max.		12.92	783.0471	101.0076	194.80	181.00	5.28%	200.8779	Grand total	19,709
Avg.		12.91	782.4706	100.9402	194.02	178.67	5.22%	200.6140	-	-
Lower Spec Limit.		12.70	769.3000	98.0000	186.00	158.00	3.50%	185.0000	BS 5896:1980	
Upper Spec Limit.		13.30	816.4000	104.0000	-	-	-	205.0000	TIS. 420-2540(1997)	
Comment : Left Hand Lay					Approve		Check		Issue	
										

QA-FB-06, แก้ไขครั้งที่ : 6, วันที่อนุมัติใช้ : 02 พฤษภาคม 2549

SALES OFFICE : 31ST FLOOR ITALTHAI TOWER, 2034/132-161 NEW PETCHBURI RD., BANGKOK 10320, THAILAND.

TEL. (66) -2716-1600 EXT. 5801-5811, (66) -2716-1575 FAX. (66) -2716-1579



BANGKOK STEEL WIRE CO.,LTD.

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SAMUTPRAKARN 10540, THAILAND.

TEL. (66)-2312-8216-19, (66)-2740-0835-36 FAX. (66)-2312-8220

MILL TEST CERTIFICATE

Customer :

Description Of Goods : 7-WIRE STRAND FOR PRESTRESSED CONCRETE

(BS 5896/3 Standard Strand - 1670 - 15.2 - Relax 2)

Nominal Diameter : 15.2 mm.

Specification : BS 5896:1980

Certificate No : 009

Page No : 1/1

Date : May 26, 2007

Invoice No :

Letter Of Credit No :

Issuing Bank :



No.	Coil No.	Diameter (mm.)	Mass (g/m.)	Section Area (mm. ²)	Tensile Load (kN.)	0.1% Yield Load (kN.)	Elongation (%)	Young's Modulus (kN/mm. ²)	Length Approx (m.)	Weight Coil (Kg.)
1	199-078-535-11	15.35	1,107.7931	142.3915	266.65	242.00	5.20%	201.9081	2,310	2,559
2	199-078-535-12	15.35	1,107.7931	142.3915	266.65	242.00	5.20%	201.9081	2,308	2,557
3	199-008-530-11	15.35	1,106.5510	142.3947	265.32	241.00	5.21%	201.9036	2,312	2,558
4	199-008-530-12	15.35	1,106.5510	142.3947	265.32	241.00	5.21%	201.9036	2,454	2,715
5	199-078-527-11	15.30	1,102.7423	141.9947	266.53	242.00	5.15%	202.4723	2,316	2,554
6	199-078-527-12	15.30	1,102.7423	141.9947	266.53	242.00	5.15%	202.4723	2,321	2,559
Min.		15.30	1,102.7423	141.9947	265.32	241.00	5.15%	201.9036		6
Max.		15.35	1,107.7931	142.3947	266.65	242.00	5.21%	202.4723	Grand total	15,502
Avg.		15.33	1,105.6955	142.2603	266.17	241.67	5.19%	202.0947	-	-
Lower Spec Limit.		15.00	1,068.2000	136.2200	232.00	197.00	3.50%	185.0000	BS 5896:1980	
Upper Spec Limit.		15.60	1,133.6000	144.5600	-	-	-	205.0000	TIS. 420-2540(1997)	
Comment : Left Hand Lay					Approve		Check		Issue	
										

QA-FB-06, แก้วไขครั้งที่ : 6, วันที่อนุมัติใช้ : 02 พฤษภาคม 2549

SALES OFFICE : 31ST FLOOR ITALTHAI TOWER, 2034/132-161 NEW PETCHBURI RD., BANGKOK 10320, THAILAND.

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