

## TEST REPORT

No. : TJIN1906009202ML

Date : Jun 24, 2019

Page: 1 of 3



CUSTOMER NAME: YUANXIAN HIGH-TECH MATERIAL TRADING (TIANJIN) CO., LTD  
ADDRESS: 1116, HUA YING BUILDING, CENTER AVENUE, TIANJIN AIRPORT  
ECONOMIC ZONE, TIANJIN PILOT FREE TRADE ZONE, TIANJIN,  
CHINA

Sample Name : Pre-stressed Concrete Steel Strand  
Product Specification : EN10138-3-Y1860S7-12.5-F2-C1  
Material and Mark : SWRH82B  
Other Information : Coil No. A19068031-2

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

Date of Receipt : Jun 17, 2019  
Testing Start Date : Jun 17, 2019  
Testing End Date : Jun 24, 2019  
Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Services(Tianjin) Co., Ltd

Kevin Zhou  
Authorized signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

Building C-11, No.80, Haiyun Street, TEDA, Tianjin, China 300457 t (86-22) 5999 5008 f (86-22) 5999 5016 www.sgs.com.cn  
中国·天津·经济技术开发区海云街80号C-11厂房 邮编: 300457 t (86-22) 5999 5008 f (86-22) 5999 5016 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

# TEST REPORT

No. : TJIN1906009202ML

Date : Jun 24, 2019

Page: 2 of 3

1. Test item: Tensile test

Test method: prEN 10138-3:2009(E)

Test item	Specimen type	Tensile strength (R <sub>m</sub> ) (MPa)	Maximum force (F <sub>m</sub> ) (kN)	Proof force (F <sub>p0.1</sub> ) (kN)	elasticity modulus (E) (GPa)	Elongation after fracture(A) L <sub>0</sub> =600mm (%)	Conclusion
Req.	-----	≥1860	173~199	≥152	195	≥3.5	-----
1	Unmachined specimen	1914	178	166	195	5.0	Pass

Note: The results comply with the requirement of prEN 10138-3:2009(E)Steel name Y1860S7-d12.5.

The above test was carried out by an external laboratory assessed as competent.

2. Test item: Dimension Measurement

Test standard: EN10138-3-2009

No.	Test Item	Nominal value	EN10138-3-2009 requirements	Measure Result	Conclusion
1	Diameter(mm)	12.5	----	12.38	----
2	Cross-sectional area(mm <sup>2</sup> )	93.0	----	92.0	----
3	Mass per meter (g/m)	726.3	±2%	718.5	Pass



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Inspection & Testing Services (天津) Co., Ltd.  
Materials Laboratory

Building C-11, No.80, Haiyun Street, TEDA, Tianjin, China 300457 t (86-22) 5999 5008 f (86-22) 5999 5016 www.sgs.com.cn  
中国·天津·经济技术开发区海云街80号C-11厂房 邮编: 300457 t (86-22) 5999 5008 f (86-22) 5999 5016 e sgs.china@sgs.com

## TEST REPORT

No. : TJIN1906009202ML

Date : Jun 24, 2019

Page: 3 of 3



Sample photo

\*\*\*\*\* End of report\*\*\*\*\*



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

Building C-11, No.80, Haiyun Street, TEDA, Tianjin, China 300457 t (86-22) 5999 5008 f (86-22) 5999 5016 www.sgs.com.cn  
中国·天津·经济技术开发区海云街80号C-11厂房邮编: 300457 t (86-22) 5999 5008 f (86-22) 5999 5016 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)