

## China NIL Proficiency Testing Schemes (2009) (Chemical Analysis & Mechanical Testing)

Dear Sir or Madam:

I take great pleasure in informing you that China NIL will focus on providing some international proficiency testing schemes in 2009, which are listed in the following Table 1 (Chemical Analysis & Mechanical Testing). Furthermore, many perennial proficiency testing schemes will also be provided according to the requirement of internal and international laboratories. (See NIL website <http://english.nil.org.cn>).

I hope that the information in this notification are useful for you and kindly ask you to distribute it to any testing laboratory involved in your country.

**Table 1 Chemical Analysis & Mechanical Testing**

Serial No.	Title	Test items	Schedule	Fees (US Dollar)
CNAS T0420	Determination of silicon, manganese, phosphorus, chromium, nickel, titanium, molybdenum and copper contents in stainless steel	Si, Mn, P, Cr, Ni, Ti, Mo, Cu	Mar.~ Jun., 2009	400
CNAS T0421	Determination of oxygen and nitrogen contents in steel	O, N	Mar.~ Jun., 2009	400
NIL PT-0176	Determination of carbon, silicon, manganese, phosphorus and sulphur contents in low alloy steel	C, Si, Mn, P, S	May~ Oct., 2009	400
NIL PT-0177	Determination of chromium, nickel, copper and molybdenum contents in low alloy steel	Cr, Ni, Cu, Mo	May~ Dec. 2009	400
NIL PT-0178	Determination of carbon, silicon, manganese, phosphorus and copper contents in spring steel	C, Si, Mn, P, Cu	May~ Dec. 2009	400
NIL PT-0179	Determination of carbon and sulphur contents in steel	C, S	May~ Dec. 2009	350
NIL PT-0180	Determination of silicon, manganese, phosphorus and aluminum contents in ferrosilicium	Si, Mn, P, Al	May~ Dec. 2009	350
NIL PT-0181	Determination of carbon, silicon, manganese, phosphorus and sulphur contents in ferromanganese	C, Si, Mn, P, S	May~ Dec. 2009	350
NIL PT-0182	Determination of TMn, TFe, SiO <sub>2</sub> , phosphorus and sulphur contents in manganese minerals	TMn, TFe, SiO <sub>2</sub> , P, S	May~ Dec. 2009	350
NIL PT-0185	Determination of Al <sub>2</sub> O <sub>3</sub> , SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , TiO <sub>2</sub> and CaO contents in bauxite	Al <sub>2</sub> O <sub>3</sub> , SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , TiO <sub>2</sub> , CaO	May~ Dec. 2009	350
NILPT-0153*	Determination of SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO and MgO contents in magnesia refractory	SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO	May~ Dec. 2009	350
NIL PT-0154*	Determination of SiO <sub>2</sub> , CaO, MgO and Al <sub>2</sub> O <sub>3</sub> contents in blast-furnace slag	SiO <sub>2</sub> , CaO, MgO, Al <sub>2</sub> O <sub>3</sub>	May~ Dec. 2009	350
NIL PT-0155*	Determination of TFe, MnO, sulphur and phosphorus contents in blast-furnace slag	TFe, MnO, S, P	May~ Dec. 2009	350
NIL PT-0191	Brinell hardness test for metallic materials	HBW 10/3000	Mar. ~ Oct., 2009	450
NIL PT-0192	Rockwell hardness test for metallic materials	HRC	Mar. ~ Oct., 2009	450
NIL PT-0193	Vickers hardness test for metallic materials	HV10	Mar. ~ Oct., 2009	450
NIL PT-0194	Charpy impact test for metallic materials	UH (210~260J, Striker R=2mm)	Mar. ~ Oct., 2009	450
NIL PT-0195	Room temperature tensile test for metallic plate materials	R <sub>m</sub> , R <sub>eL</sub> , A	Mar. ~ Nov., 2009	500

The schemes marked with “\*” refers to those that have not been completed in 2008, and are going to be implemented in 2009.

As a professional PT provider, NIL has been accredited by China National Accreditation Service Conformity Assessment (CNAS), and all PT schemes provided by NIL are operated in compliance with ISO/IEC Guide 43:1997 Part 1 and ILAC Guide G13 "Guidelines for the Requirements of the Providers of Proficiency Testing Schemes", and open to laboratories anywhere in the world.

## **SOME USEFUL INFORMATION OF THE SCHEMES:**

### **\* Test samples (or specimens)**

After NIL receives the "Registration Form for PT Schemes" from the participants, Test samples shall be distributed along with "INSTRUCTIONS TO PARTICIPANTS", "SAMPLES RECEIPT FORM" and "RESULT SHEET" to the laboratories participating in the scheme. In the proficiency testing schemes the samples are prepared and tested for homogeneity by the Standard Material Research Center of CISRI (Central Iron & Steel Research Institute).

### **\* Testing method**

The samples will be tested by the participant's preferred methods, which are generally used for providing formal reports. However it is preferable to use international or national consensus standard methods. If a standard method is used, please provide its title name and serial number.

### **\* Registration fees**

Registration fees should be paid as soon as possible after the laboratory submits "Registration Form for PT Schemes". A formal invoice will be forwarded to participating laboratory together with the samples.

Any information with which you may favor us will be much appreciated, and we earnestly await your order.

Yours sincerely



**WANG Haizhou**

**President of China NIL Research Center for Proficiency Testing**

## Registration Form for PT Schemes

If your laboratory would like to participate in the NIL PT Schemes in 2009, please tick for ordering and submit your involved details below:

<input type="checkbox"/> CNAS T0420	<input type="checkbox"/> CNAS T0421	<input type="checkbox"/> NIL PT-0176	<input type="checkbox"/> NIL PT-0177
<input type="checkbox"/> NIL PT-0178	<input type="checkbox"/> NIL PT-0179	<input type="checkbox"/> NIL PT-0180	<input type="checkbox"/> NIL PT-0181
<input type="checkbox"/> NIL PT-0182	<input type="checkbox"/> NIL PT-0185	<input type="checkbox"/> NIL PT-0153	<input type="checkbox"/> NIL PT-0154
<input type="checkbox"/> NIL PT-0155	<input type="checkbox"/> NIL PT-0191	<input type="checkbox"/> NIL PT-0192	<input type="checkbox"/> NIL PT-0193
<input type="checkbox"/> NIL PT-0194	<input type="checkbox"/> NIL PT-0195		

Name of Laboratory: \_\_\_\_\_

Postal Address & Zip Code: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Country: \_\_\_\_\_

E-mail: \_\_\_\_\_

Tel: \_\_\_\_\_; Fax: \_\_\_\_\_

***Please return this form as soon as possible by e-mail or fax; no later than March 20<sup>th</sup>, 2009***

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