

## China NIL Proficiency Testing Schemes (2010) (Chemical Analysis & Mechanical Testing)

Dear Sir or Madam:

I take great pleasure in informing you that China NIL will provide some international proficiency testing schemes in 2010, 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)
NIL PT-0198*	Determination of C, Si, Mn, P and S contents in low alloy steel	C, Si, Mn, P, S	May ~ Nov., 2010	400
NIL PT-0199*	Determination of Cr, Ni, Cu and Mo contents in low alloy steel	Cr, Ni, Cu, Mo	May ~ Nov., 2010	400
NIL PT-0200*	Determination of Si, Mn, P, Cr, Ni and Ti contents in stainless steel	Si, Mn, P, Cr, Ni, Ti	Mar. ~ Aug., 2010	400
NIL PT-0201	Determination of O and N contents in steel	O, N	Mar. ~ Aug., 2010	350
NIL PT-0203	Determination of Si, Mn, P, S contents in silicon-manganese	Si, Mn, P, S	May ~ Nov., 2010	350
NIL PT-0204	Determination of Si, Mn, P, S and Cr contents in low-carbon ferrochromium	Si, Mn, P, S, Cr	May ~ Nov., 2010	350
NIL PT-0205	Determination of Si, P, S, Ca and Al contents in silicon calcium alloy	Si, P, S, Ca, Al	May ~ Nov., 2010	350
NIL PT-0206	Determination of SiO <sub>2</sub> , CaO, MgO, Fe <sub>2</sub> O <sub>3</sub> and Al <sub>2</sub> O <sub>3</sub> contents in lime stone	SiO <sub>2</sub> , CaO, MgO, Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub>	May ~ Nov., 2010	350
NIL PT-0207	Determination of TFe, FeO, SiO <sub>2</sub> , CaO, P and S contents in iron ore	TFe, FeO, SiO <sub>2</sub> , CaO, P, S	May ~ Nov., 2010	350
NIL PT-0222	Brinell hardness test for metallic materials	HBW 10/3000	Apr. ~ Oct., 2010	450
NIL PT-0223	Rockwell hardness test for metallic materials	HRC	Apr. ~ Oct., 2010	450
NIL PT-0224	Vickers hardness test for metallic materials	HV10	Apr. ~ Oct., 2010	450
NIL PT-0225	Room temperature tensile test for metallic materials	R <sub>m</sub> , R <sub>eL</sub> (R <sub>p0.2</sub> ), Agt, Ag, Z (Φ10mm sample, recommended testing machine:100kN~300kN)	May ~ Nov., 2010	500
NIL PT-0226	Charpy impact test for metallic materials(Striker R=2mm)	M (110~140J)	May ~ Nov., 2010	500
NIL PT-0227	Charpy impact test for metallic materials(Striker R=8mm)	H, UH	May ~ Nov., 2010	500

**\*Note: For NIL PT-0198, NIL PT-0199 and NIL PT-0200, two kinds of samples (discs and chips) were available for different methods. Please choose which kind of samples you would like to receive in the registration form.**

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**



PROFICIENCY TESTING  
CNAS PT0002



## Registration Form for PT Schemes

If your laboratory would like to participate in the NIL PT Schemes in 2010, please tick for ordering and submit your involved details below:

- |   |   |
|---|---|
| <input type="checkbox"/> NIL PT-0198( <input type="checkbox"/> Discs ; <input type="checkbox"/> Chips ) | <input type="checkbox"/> NIL PT-0199( <input type="checkbox"/> Discs ; <input type="checkbox"/> Chips ) |
| <input type="checkbox"/> NIL PT-0200( <input type="checkbox"/> Discs ; <input type="checkbox"/> Chips ) | <input type="checkbox"/> NIL PT-0201  |
| <input type="checkbox"/> NIL PT-0203  | <input type="checkbox"/> NIL PT-0204  |
| <input type="checkbox"/> NIL PT-0205  | <input type="checkbox"/> NIL PT-0206  |
| <input type="checkbox"/> NIL PT-0207  | <input type="checkbox"/> NIL PT-0222  |
| <input type="checkbox"/> NIL PT-0223  | <input type="checkbox"/> NIL PT-0224  |
| <input type="checkbox"/> NIL PT-0225  | <input type="checkbox"/> NIL PT-0226  |
| <input type="checkbox"/> NIL PT-0227  |   |

**\*Note:** For NIL PT-0198, NIL PT-0199 and NIL PT-0200, two kinds of samples (discs and chips) were available for different methods. Please choose which kind of samples you would like to receive, discs or chips?.

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 15th, 2010**

**China NIL Research Center for Proficiency Testing**

**Address: Box 14, No 76 Xueyuan South Road, Beijing 100081, P. R. China**

**Contact Person: Ms. Kong Xinxin, Mr. GAO Wengong**

**Fax: +86 10 6218 1163; Phone: +86 10 6218 5713**

**E-mail: [nil@analysis.org.cn](mailto:nil@analysis.org.cn)**

**Website: <http://english.nil.org.cn>**