

China NIL Proficiency Testing Schemes (2012) (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 2012, which are listed in the following Table 1. 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 which might be interested.

Table 1 Chemical Analysis & Mechanical Testing for 2012

Serial No.	Title	Test items	Schedule	Fees (USD)
NIL PT-0276	Determination of the content in low alloy steel	C, Si, Mn, P, S	Mar. ~ Jul., 2012	400
NIL PT-0277	Determination of the content in low alloy steel	C, Si, Mn, P, S	Jul. ~ Dec., 2012	400
NIL PT-0278	Determination of the content in low alloy steel	Cr, Ni, Cu, Mo	Mar. - Jul., 2012	400
NIL PT-0279	Determination of the content in low alloy steel	Cr, Ni, Cu, Mo	Jul. ~ Dec., 2012	400
NIL PT-0280	Determination of the content in low alloy steel by spark source atomic emission spectrometry	Si, Mn, P, Cr, Ni, Cu	Apr. ~ Oct., 2012	450
NIL PT-0281	Determination of the content in stainless steel	Si, Mn, P, Cr, Ni, Ti	Apr. - Oct., 2012	450
NIL PT-0282	Determination of C and S content in steel	C, S	Mar. ~ Jul., 2012	375
NIL PT-0283	Determination of C and S content in steel	C, S	Jul. ~ Dec., 2012	375
NIL PT-0284	Determination of O and N content in steel	O, N	Apr. ~ Oct., 2012	375
NIL PT-0285	Determination of H in steel	H	Apr. ~ Oct., 2012	375
NIL PT-0289	Determination of the content in ferrosilicium alloy	Si, Mn, P, Al, Ca	Apr. ~ Oct., 2012	375
NIL PT-0290	Determination of the content in ferromanganese alloy	C, Si, Mn, P	Apr. ~ Oct., 2012	375
NIL PT-0291	Determination of the content in Si-Mn alloy	Si, Mn, P, S	Apr. ~ Oct., 2012	450
NIL PT-0292	Determination of the content in Si-Ca alloy	Si, P, Ca, Al	Apr. ~ Oct., 2012	450
NIL PT-0296	Determination of the content in pure aluminum by ICP-AES	Si, Fe, Cu, Mg, Zn	Apr. ~ Oct., 2012	450
NIL PT-0300	Determination of the content in iron ore	TFe, SiO ₂ , P, S	Apr. ~ Oct., 2012	400
NIL PT-0301	Determination of the content in iron ore	CaO, MgO, Al ₂ O ₃	Apr. ~ Oct., 2012	400
NIL PT-0308	Determination of the content in lime stone	SiO ₂ , CaO, MgO, Fe ₂ O ₃ , Al ₂ O ₃	Apr. ~ Oct., 2012	400
NIL PT-0344	Brinell hardness test for metallic materials	HBW 2.5/187.5	Apr. ~ Jul., 2012	450
NIL PT-0345	Brinell hardness test for metallic materials	HBW 5/750	Apr. ~ Jul., 2012	450
NIL PT-0346	Brinell hardness test for metallic materials	HBW 10/3000	Jul. ~ Nov., 2012	450
NIL PT-0347	Rockwell hardness test for metallic materials	HRB	Jul. ~ Nov., 2012	450
NIL PT-0348	Rockwell hardness test for metallic materials	HRC	Apr. ~ Oct., 2012	450
NIL PT-0349	Vickers hardness test for metallic materials	HV0.2	Apr. ~ Oct., 2012	450
NIL PT-0350	Vickers hardness test for metallic materials	HV5	Apr. ~ Oct., 2012	450
NIL PT-0351	Vickers hardness test for metallic materials	HV10	Jul. ~ Nov., 2012	450
NIL PT-0352	Room temperature tensile test for metallic materials (Φ10mm sample, recommended testing machine:100kN~1000kN)	R _m , R _{eL} , A, Z	Apr. ~ Oct., 2012	500
NIL PT-0355	Charpy impact test for metallic materials(Striker R=2mm)	Impact Absorbed Energy (M, 70~110J)	Apr. ~ Oct., 2012	500

***Note: For NIL PT-0276, NIL PT-0277, NIL PT-0278, NIL PT-0279 and NIL PT-0281, two kinds of samples (discs and chips) are 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 17043:2010 "Conformity assessment—General requirements for proficiency testing", 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 the laboratory submits "Registration Form for PT Schemes". A formal invoice will be forwarded to participating laboratory together with the samples.

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 PT Schemes in 2012, please tick for ordering and submit your involved details below:

☐ NIL PT-0276(☐ Discs ; ☐ Chips)	☐ NIL PT-0277(☐ Discs ; ☐ Chips)
☐ NIL PT-0278(☐ Discs ; ☐ Chips)	☐ NIL PT-0279(☐ Discs ; ☐ Chips)
☐ NIL PT-0280	☐ NIL PT-0281(☐ Discs ; ☐ Chips)
☐ NIL PT-0282	☐ NIL PT-0283
☐ NIL PT-0284	☐ NIL PT-0285
☐ NIL PT-0289	☐ NIL PT-0290
☐ NIL PT-0291	☐ NIL PT-0292
☐ NIL PT-0296	☐ NIL PT-0300
☐ NIL PT-0301	☐ NIL PT-0308
☐ NIL PT-0344	☐ NIL PT-0345
☐ NIL PT-0346	☐ NIL PT-0347
☐ NIL PT-0348	☐ NIL PT-0349
☐ NIL PT-0350	☐ NIL PT-0351
☐ NIL PT-0352	☐ NIL PT-0355

*Note: For NIL PT-0276, NIL PT-0277, NIL PT-0278, NIL PT-0279 and NIL PT-0281, two kinds of samples (discs and chips) are 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 April 13th, 2012.

China NIL Research Center for Proficiency Testing

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