

China NIL Proficiency Testing Schemes (2011) (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 2011, which are listed in the following Table 1 and Table 2. 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 first half year of 2011

Serial No.	Title	Test items	Schedule	Fees (USD)
NIL PT-0232*	Determination of the content in low alloy steel	C, Si, Mn, P, S	Mar. ~ Jul., 2011	400
NIL PT-0233*	Determination of the content in low alloy steel	Cr, Ni, Cu, Mo	Mar. ~ Jul., 2011	400
NIL PT-0234*	Determination of the content in stainless steel	Si, Mn, P, S, Cr, Ni, Ti	Apr. ~ Oct., 2011	400
NIL PT-0235	Determination of C and S content in steel	C, S	Mar. ~ Jul., 2011	350
NIL PT-0236	Determination of O and N content in steel	O, N	Mar. ~ Sep., 2011	350
NIL PT-0238	Determination of the content in ferrosilicium alloy	Si, Mn, P, Al	Apr. ~ Oct., 2011	350
NIL PT-0239	Determination of the content in ferromanganese alloy	C, Si, Mn, P, S	Apr. ~ Oct., 2011	350
NIL PT-0240	Determination of the content in iron ore	TFe, FeO, SiO ₂ , P, S	Apr. ~ Oct., 2011	350
NIL PT-0241	Determination of the content in iron ore	CaO, MgO, Al ₂ O ₃	Apr. ~ Oct., 2011	350
NIL PT-0242	Determination of the content in manganese ore	TMn, TFe, SiO ₂ , Al ₂ O ₃ , P	Apr. ~ Oct., 2011	350
NIL PT-0256	Brinell hardness test for metallic materials	HBW 5/750	Mar. ~ Jul., 2011	450
NIL PT-0257	Rockwell hardness test for metallic materials	HRB	Apr. ~ Oct., 2011	450
NIL PT-0258	Rockwell hardness test for metallic materials	HRC	Mar. ~ Jul., 2011	450
NIL PT-0259	Vickers hardness test for metallic materials	HV5	Mar. ~ Jul., 2011	450
NIL PT-0261	Room temperature tensile test for metallic materials	R _m , R _{eL} , A, Z(Φ10mm sample, recommended testing machine:100kN~300kN)	Apr. ~ Oct., 2011	500
NIL PT-0262	Charpy impact test for metallic materials(Striker R=2mm)	Impact Absorbed Energy (M, 110~140J)	Apr. ~ Oct., 2011	500

Table 2 Chemical Analysis & Mechanical Testing for second half year of 2011

Serial No.	Title	Test items	Schedule	Fees (USD)
NIL PT-0265*	Determination of the content in low alloy steel	C, Si, Mn, P, S	Aug. ~ Nov., 2011	400
NIL PT-0266*	Determination of the content in low alloy steel	Cr, Ni, Cu, Mo	Aug. ~ Nov., 2011	400
NIL PT-0267	Determination of C and S content in steel	C, S	Aug. ~ Nov., 2011	350
NIL PT-0268	Brinell hardness test for metallic materials	HBW 10/3000	Aug. ~ Nov., 2011	450
NIL PT-0269	Rockwell hardness test for metallic materials	HRC	Aug. ~ Nov., 2011	450
NIL PT-0270	Vickers hardness test for metallic materials	HV10	Aug. ~ Nov., 2011	450

*Note: For NIL PT-0232, NIL PT-0233, NIL PT-0234, NIL PT-0265 and NIL PT-0266 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 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 NIL PT Schemes in 2011, please tick for ordering and submit your involved details below:

- | | |
|---|---|
| ☐ NIL PT-0232(☐ Discs ; ☐ Chips) | ☐ NIL PT-0233(☐ Discs ; ☐ Chips) |
| ☐ NIL PT-0234(☐ Discs ; ☐ Chips) | ☐ NIL PT-0235 |
| ☐ NIL PT-0236 | ☐ NIL PT-0238 |
| ☐ NIL PT-0239 | ☐ NIL PT-0240 |
| ☐ NIL PT-0241 | ☐ NIL PT-0242 |
| ☐ NIL PT-0256 | ☐ NIL PT-0257 |
| ☐ NIL PT-0258 | ☐ NIL PT-0259 |
| ☐ NIL PT-0261 | ☐ NIL PT-0262 |
| ☐ NIL PT-0265(☐ Discs ; ☐ Chips) | ☐ NIL PT-0266(☐ Discs ; ☐ Chips) |
| ☐ NIL PT-0267 | ☐ NIL PT-0268 |
| ☐ NIL PT-0269 | ☐ NIL PT-0270 |

*Note: For NIL PT-0232, NIL PT-0233, NIL PT-0234, NIL PT-0265 and NIL PT-0266, 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 April 16th, 2011.

China NIL Research Center for Proficiency Testing

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