

China NIL Proficiency Testing Schemes (2014) (Chemical Analysis & Mechanical Testing)

China NIL Research Center for Proficiency Testing take great pleasure in informing you that we provide some international proficiency testing schemes in 2014, 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>).

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.

We 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 2014

Serial No.	Title	Test items	Schedule	Fees (USD)
NIL PT-0496-1	Determination of the content in low alloy steel	C, Si, Mn, P, S	Apr.~ Jul., 2014	450
NIL PT-0496-2	Determination of the content in low alloy steel	C, Si, Mn, P, S	Jul.~ Sep., 2014	450
NIL PT-0496-3	Determination of the content in low alloy steel	C, Si, Mn, P, S	Sep.~ Dec., 2014	450
NIL PT-0497-1	Determination of the content in low alloy steel	Cr, Ni, Cu, Mo, Al	Mar.~ Jul., 2014	450
NIL PT-0497-2	Determination of the content in low alloy steel	Cr, Ni, Cu, Mo, Al	Jul.~ Dec., 2014	450
NIL PT-0498	Determination of the content in low alloy steel by spark atomic emission spectrometry	C, Si, Mn, P, S	Apr.~ Oct., 2014	450
NIL PT-0499	Determination of the content in low alloy steel by spark atomic emission spectrometry	Cr, Ni, Cu, Mo, Al	Apr.~ Oct., 2014	450
NIL PT-0500-1	Determination of the content in stainless steel	Si, Mn, P, Cr, Ni, Ti	Mar.~ Jul., 2014	500
NIL PT-0500-2	Determination of the content in stainless steel	Si, Mn, P, Cr, Ni, Ti	Jul.~ Dec., 2014	500
NIL PT-0501-1	Determination of C and S content in steel	C, S	Mar.~ Jul., 2014	400
NIL PT-0501-2	Determination of C and S content in steel	C, S	Jul.~ Dec., 2014	400
NIL PT-0502	Determination of O and N content in steel	O, N	Apr.~ Oct., 2014	450
NIL PT-0508	Determination of the content in ferrosilicium alloy	Si, Mn, P, Al, Ca	Apr.~ Oct., 2014	450
NIL PT-0509	Determination of the content in ferromanganese alloy	C, Si, Mn, P	Apr.~ Oct., 2014	450
NIL PT-0510	Determination of the content in Si-Mn alloy	Si, Mn, P, S	Apr.~ Oct., 2014	450
NIL PT-0515	Determination of the content in pure aluminum by wet chemistry	Si, Fe, Cu, Mg, Zn	Jul.~ Dec., 2014	450
NIL PT-0523-1	Determination of the content in iron ore	TFe, SiO ₂ , P, S	Mar.~ Jul., 2014	450
NIL PT-0523-2	Determination of the content in iron ore	TFe, SiO ₂ , P, S	Jul.~ Dec., 2014	450
NIL PT-0524	Determination of the content in iron ore	CaO, MgO, Al ₂ O ₃	Apr.~ Oct., 2014	450
NIL PT-0525	Determination of the content in iron ore	TFe, FeO	Apr.~ Oct., 2014	450
NIL PT-0526	Determination of the content in iron ore	K, Na	Apr.~ Oct., 2014	450
NIL PT-0527	Determination of the content in manganese ore	TMn, TFe, SiO ₂ , Al ₂ O ₃	Apr.~ Oct., 2014	450
NIL PT-0531	Determination of the content in copper concentrates	Cu, S, As, Ag	Apr.~ Oct., 2014	450
NIL PT-0534	Determination of the content in lime stone	SiO ₂ , CaO, MgO, Fe ₂ O ₃ , Al ₂ O ₃	Apr.~ Oct., 2014	450

NIL PT-0584	Brinell hardness test for metallic materials	HBW 2.5/187.5	Apr.~ Oct., 2014	500
NIL PT-0585	Brinell hardness test for metallic materials	HBW5/750	Apr.~ Oct., 2014	500
NIL PT-0586-1	Brinell hardness test for metallic materials	HBW 10/3000	Mar. ~ Jul., 2014	500
NIL PT-0586-2	Brinell hardness test for metallic materials	HBW 10/3000	Jul. ~ Dec., 2014	500
NIL PT-0587-1	Rockwell hardness test for metallic materials	HRB	Mar.~ Jul., 2014	500
NIL PT-0587-2	Rockwell hardness test for metallic materials	HRB	Jul. ~ Dec., 2014	500
NIL PT-0588-1	Rockwell hardness test for metallic materials	HRC	Apr.~ Jul., 2014	500
NIL PT-0588-2	Rockwell hardness test for metallic materials	HRC	Jul.~ Sep., 2014	500
NIL PT-0588-3	Rockwell hardness test for metallic materials	HRC	Sep.~ Dec., 2014	500
NIL PT-0590	Vickers hardness test for metallic materials	HV0.2	Apr.~ Oct., 2014	550
NIL PT-0591	Vickers hardness test for metallic materials	HV5	Apr.~ Oct., 2014	550
NIL PT-0592-1	Vickers hardness test for metallic materials	HV10	Mar.~ Jul., 2014	550
NIL PT-0592-2	Vickers hardness test for metallic materials	HV10	Jul.~ Sep., 2014	550
NIL PT-0593-1	Room temperature tensile test for metallic materials (Φ10mm sample, recommended testing machine: 100kN~1000kN)	R_m, R_{eL}, A, Z	Mar.~ Jul., 2014	600
NIL PT-0593-2	Room temperature tensile test for metallic materials (Φ10mm sample, recommended testing machine: 100kN~1000kN)	R_m, R_{eL}, A, Z	Jul.~ Sep., 2014	600
NIL PT-0601-1	Charpy impact test for metallic materials (Striker R=2mm)	Impact Absorbed Energy(H, 110~220J)	Jul.~ Sep., 2014	550
NIL PT-0601-2	Charpy impact test for metallic materials (Striker R=2mm)	Impact Absorbed Energy(H, 110~220J)	Apr.~ Oct., 2014	550
NIL PT-0602	Charpy impact test for metallic materials (Striker R=2mm)	Impact Absorbed Energy(M, 30~110J)	Jul.~ Sep., 2014	550

***Note: For NIL PT-0496-1, NIL PT-0496-2, NIL PT-0496-3, NIL PT-0497-1, NIL PT-0497-2, NIL PT-0500-1 and NIL PT-0500-2, 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.**

Yours sincerely



WANG Haizhou

Chief Scientist of China NIL Research Center for Proficiency Testing

Director of CNAS PT Committee

Member of Chinese Academy of Engineering

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.

Registration Form for PT Schemes

If your laboratory would like to participate in the PT Schemes in 2014, please tick for ordering and submit your involved details below:

☐ NIL PT-0496-1(☐ Discs ; ☐ Chips)	☐ NIL PT-0496-2(☐ Discs ; ☐ Chips)
☐ NIL PT-0496-3(☐ Discs ; ☐ Chips)	☐ NIL PT-0497-1(☐ Discs ; ☐ Chips)
☐ NIL PT-0497-2(☐ Discs ; ☐ Chips)	☐ NIL PT-0498
☐ NIL PT-0499	☐ NIL PT-0500-1(☐ Discs ; ☐ Chips)
☐ NIL PT-0500-2(☐ Discs ; ☐ Chips)	☐ NIL PT-0501-1
☐ NIL PT-0501-2	☐ NIL PT-0502
☐ NIL PT-0510	☐ NIL PT-0515
☐ NIL PT-0524	☐ NIL PT-0525
☐ NIL PT-0531	☐ NIL PT-0534
☐ NIL PT-0586-1	☐ NIL PT-0586-2
☐ NIL PT-0588-1	☐ NIL PT-0588-2
☐ NIL PT-0591	☐ NIL PT-0592-1
☐ NIL PT-0593-2	☐ NIL PT-0601-1
	☐ NIL PT-0508
	☐ NIL PT-0509
	☐ NIL PT-0523-1
	☐ NIL PT-0523-2
	☐ NIL PT-0526
	☐ NIL PT-0527
	☐ NIL PT-0584
	☐ NIL PT-0585
	☐ NIL PT-0587-1
	☐ NIL PT-0587-2
	☐ NIL PT-0588-3
	☐ NIL PT-0590
	☐ NIL PT-0592-2
	☐ NIL PT-0593-1
	☐ NIL PT-0601-2
	☐ NIL PT-0602

*Note: For NIL PT-0496-1, NIL PT-0496-2, NIL PT-0496-3, NIL PT-0497-1, NIL PT-0497-2, NIL PT-0500-1 and NIL PT-0500-2, 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.

China NIL Research Center for Proficiency Testing

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

Contact Person: Ms GUO Juan, Ms. YAN Dongxia

Fax: +86 10 6218 1163; Phone: +86 10 6218 1169/8330

E-mail: nil@analysis.org.cn

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