# China NIL Proficiency Testing Schemes (2017)

China NIL Research Center for Proficiency Testing takes great pleasure in informing you that we provide some international proficiency testing schemes in 2017, 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 NIL Proficiency Testing Schemes for 2017**

| **Serial No** | **Title** | **Test object** | **Test items** | **Schedule** | **Fees (USD)** | **Select** |
| --- | --- | --- | --- | --- | --- | --- |
| **Metal and Alloy** | | | | | | |
| NIL PT-1120-1 | Determination of C, Si, Mn, P and S in low alloy steel | Low alloy steel | C, Si, Mn, P, S | Mar.～Jul., 2017 | 450 | □Discs  □Chips |
| NIL PT-1120-2 | Determination of C, Si, Mn, P and S in low alloy steel | Low alloy steel | C, Si, Mn, P, S | Jul.~ Sep., 2017 | 450 | □Discs  □Chips |
| NIL PT-1120-3 | Determination of C, Si, Mn, P and S in low alloy steel | Low alloy steel | C, Si, Mn, P, S | Sep.~Dec., 2017 | 450 | □Discs  □Chips |
| NIL PT-1121-1 | Determination of Cr, Ni, Cu, Mo and Al in low alloy steel | Low alloy steel | Cr, Ni, Cu, Mo, Al | Mar.~ Jul., 2017 | 450 | □Discs  □Chips |
| NIL PT-1121-2 | Determination of Cr, Ni, Cu, Mo and Al in low alloy steel | Low alloy steel | Cr, Ni, Cu, Mo, Al | Jul.~ Dec., 2017 | 450 | □Discs  □Chips |
| NIL PT-1122-1 | Determination of Cr, Ni, Cu, V and Ti in low alloy steel by inductively coupled plasma atomic emission spectrometry | Low alloy steel | Cr, Ni, Cu, V, Ti | Mar.~ Jul., 2017 | 450 | □ |
| NIL PT-1122-2 | Determination of Cr, Ni, Cu, V and Ti in low alloy steel by inductively coupled plasma atomic emission spectrometry | Low alloy steel | Cr, Ni, Cu, V, Ti | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1123-1 | Determination of C, Si, Mn, P and S in low alloy steel by spark atomic emission spectrometry | Low alloy steel | C, Si, Mn, P, S | Mar.~ Jul., 2017 | 450 | □ |

| **Serial No** | **Title** | **Test object** | **Test items** | **Schedule** | **Fees (USD)** | **Select** |
| --- | --- | --- | --- | --- | --- | --- |
| NIL PT-1123-2 | Determination of C, Si, Mn, P and S in low alloy steel by spark atomic emission spectrometry | Low alloy steel | C, Si, Mn, P, S | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1124-1 | Determination of Cr, Ni, Cu, Mo and Al in low alloy steel by spark atomic emission spectrometry | Low alloy steel | Cr, Ni, Cu, Mo, Al | Mar.~ Jul., 2017 | 450 | □ |
| NIL PT-1124-2 | Determination of Cr, Ni, Cu, Mo and Al in low alloy steel by spark atomic emission spectrometry | Low alloy steel | Cr, Ni, Cu, Mo, Al | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1125-1 | Determination of Si, Mn, P, Cr, Ni and Ti in stainless steel | Stainless steel | Si, Mn, P, Cr, Ni, Ti | Mar.~ Jul., 2017 | 500 | □Discs  □Chips |
| NIL PT-1125-2 | Determination of Si, Mn, P, Cr, Ni and Ti in stainless steel | Stainless steel | Si, Mn, P, Cr, Ni, Ti | Jul.~ Dec., 2017 | 500 | □Discs  □Chips |
| NIL PT-1126-1 | Determination of C, Si, Mn, P, S, Cr and Ni in stainless steel by spark atomic emission spectrometry | Stainless steel | C, Si, Mn, P, S, Cr, Ni | Mar.~ Jul., 2017 | 500 | □ |
| NIL PT-1126-2 | Determination of C, Si, Mn, P, S, Cr and Ni in stainless steel by spark atomic emission spectrometry | Stainless steel | C, Si, Mn, P, S, Cr, Ni | Jul.~ Dec., 2017 | 500 | □ |
| NIL PT-1127 | Determination of C, Si, P, Mn, S and Cr in bearing steel | Bearing steel | C, Si, P, Mn, S, Cr | Jul.~ Dec., 2017 | 450 | □Discs  □Chips |
| NIL PT-1129-1 | Determination of carbon and sulfur content in steel | Steel | C, S | Mar.～Jul., 2017 | 450 | □ |
| NIL PT-1129-2 | Determination of carbon and sulfur content in steel | Steel | C, S | Jul.~ Sep., 2017 | 450 | □ |
| NIL PT-1129-3 | Determination of carbon and sulfur content in steel | Steel | C, S | Sep.~Dec., 2017 | 450 | □ |
| NIL PT-1130-1 | Determination of oxygen and nitrogen content in steel | Steel | O, N | Mar.~ Jul., 2017 | 450 | □ |
| NIL PT-1130-2 | Determination of oxygen and nitrogen content in steel | Steel | O, N | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1131 | Determination of hydrogen in steel | Steel | H | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1132 | Determination of Mo, Al, Ti and Nb in supper alloy | Supper alloy | Mo, Al, Ti, Nb | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1135 | Determination of Si, Mn, P, Al and Ca in ferrosilicium alloy | Ferrosilicium alloy | Si, Mn, P, Al, Ca | Jul.~ Dec., 2017 | 450 | □ |

| **Serial No** | **Title** | **Test object** | **Test items** | **Schedule** | **Fees (USD)** | **Select** |
| --- | --- | --- | --- | --- | --- | --- |
| NIL PT-1136 | Determination of C, Si, Mn and P in ferromanganese alloy | Ferromanganese alloy | C, Si, Mn, P | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1137 | Determination of Si, Mn, P and S in Si-Mn alloy | Silicon-Manganese alloy | Si, Mn, P, S | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1141 | Determination of Si, Fe, Cu, Mg and Zn in pure aluminum | Pure aluminum | Si, Fe, Cu, Mg, Zn | Apr.~ Oct., 2017 | 500 | □Discs  □Chips |
| NIL PT-1142-1 | Determination of Si, Fe, Cu, Mg and Mn in aluminium alloy | Aluminium alloy | Si, Fe, Cu, Mg, Mn | Mar.~ Jul., 2017 | 500 | □Discs  □Chips |
| NIL PT-1142-2 | Determination of Si, Fe, Cu, Mg and Mn in aluminium alloy | Aluminium alloy | Si, Fe, Cu, Mg, Mn | Jul.~ Dec., 2017 | 500 | □Discs  □Chips |
| NIL PT-1143 | Determination of Cu, Mg, Fe and Al in zinc alloy | Zinc alloy | Cu, Mg, Fe, Al | Jul.~ Dec., 2017 | 500 | □ |
| NIL PT-1144 | Determination of Cu, Pb, Fe and Ni in copper alloy | Copper alloy | Cu, Pb, Fe, Ni | Jul.~ Dec., 2017 | 500 | □Discs  □Chips |
| NIL PT-1146 | Determination of Fe, Al and V in titanium alloy | Titanium alloy | Fe, Al, V | Jul.~ Dec., 2017 | 500 | □ |
| **Ore, Mineral and Metallurgical Material** | | | | | | |
| NIL PT-1153-1 | Determination of TFe, SiO2, P and S in iron ore | Iron ore | TFe, SiO2, P, S | Mar.~ Jul., 2017 | 450 | □ |
| NIL PT-1153-2 | Determination of TFe, SiO2, P and S in iron ore | Iron ore | TFe, SiO2, P, S | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1154 | Determination of CaO, MgO and Al2O3 in iron ore | Iron ore | CaO, MgO, Al2O3 | Apr.~Oct., 2017 | 450 | □ |
| NIL PT-1155 | Determination of TFe and FeO in iron ore | Iron ore | TFe, FeO | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1156 | Determination of potassium and sodium in iron ore | Iron ore | K, Na | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1157 | Determination of TMn, TFe, SiO2 and Al2O3 in manganese ore | Manganese ore | TMn, TFe, SiO2, Al2O3 | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1158 | Determination of CaF2, SiO2 and TFe in fluorite | Fluorite | CaF2, SiO2, TFe | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1159-1 | Determination of SiO2, CaO, MgO, Fe2O3 and Al2O3 in limestone | Limestone | SiO2, CaO, MgO, Fe2O3, Al2O3 | Mar.~ Jul., 2017 | 450 | □ |
| NIL PT-1159-2 | Determination of SiO2, CaO, MgO, Fe2O3 and Al2O3 in limestone | Limestone | SiO2, CaO, MgO, Fe2O3, Al2O3 | Jul.~ Dec., 2017 | 450 | □ |
| **Serial No** | **Title** | **Test object** | **Test items** | **Schedule** | **Fees (USD)** | **Select** |
| NIL PT-1162 | Determination of Ni, Cu, Fe and Mg in nickel ore | Nickel ore | Ni, Cu, Fe, Mg | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1163 | Determination of Zn, Pb,Cu and Fe in zinc ore | Zinc ore | Zn, Pb, Cu, Fe | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1165 | Determination of Zn,Cu,Pb and Fe in zinc concentrates | Zinc concentrates | Zn, Cu, Pb, Fe | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1166 | Determination of Cu, S, As and Ag in copper concentrates | Copper concentrates | Cu, S, As, Ag | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1167 | Determination of Pb, Cu, Zn and As in lead concentrates | Lead concentrates | Pb, Cu, Zn, As | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1169 | Determination of Cu, Pb, Zn and Fe in polymetallic-ore | Polymetallic-ore | Cu, Pb, Zn, Fe | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1170 | Determination of Al2O3, SiO2, Fe2O3, CaO and TiO2 in bauxite | Bauxite | Al2O3, SiO2, Fe2O3, CaO, TiO2 | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1171 | Determination of SiO2, CaO, MgO, Fe2O3 and Al2O3 in silicate rock | Silicate rock | SiO2, CaO, MgO, Fe2O3, Al2O3 | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1172 | Determination of gold and silver in ore | Ore | Au, Ag | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1173 | Determination of Fe, Al and Ca in metallurgical silicon | Metallurgical silicon | Fe, Al, Ca | Jul.~ Dec., 2017 | 450 | □ |
| **Coal** | | | | | | |
| NIL PT-1176-1 | Proximate analysis of coal | Coal | sulphur、ash、volatile matter | Mar.~ Jul., 2017 | 450 | □ |
| NIL PT-1176-2 | Proximate analysis of coal | Coal | sulphur、ash、volatile matter | Jul.~ Dec., 2017 | 450 | □ |
| **Construction and Building Materials** | | | | | | |
| NIL PT-1189 | Determination of loss on Ignition, magnesium oxide and sulfur trioxide in cement | Cement | Loss on Ignition, MgO, SO3 | Apr.~ Oct., 2017 | 450 | □ |
| NIL PT-1190 | Determination of the Chemical Composition in cement | Cement | SiO2, Al2O3, Fe2O3, CaO | Apr.~ Oct., 2017 | 450 | □ |
| NIL PT-1191 | Determination of chloride ions in cement | Cement | Chloride ions | Apr.~ Oct., 2017 | 450 | □ |

| **Serial No** | **Title** | **Test object** | **Test items** | **Schedule** | **Fees (USD)** | **Select** |
| --- | --- | --- | --- | --- | --- | --- |
| NIL PT-1192-1 | Room temperature tensile test for hot rolled ribbed steel bar (recommended testing machine: 300kN~1000kN) | Hot rolled ribbed steel bar | *R*m*, R*eL*, A* | Mar.~ Jul., 2017 | 550 | □ |
| NIL PT-1192-2 | Room temperature tensile test for hot rolled ribbed steel bar (recommended testing machine: 300kN~1000kN) | Hot rolled ribbed steel bar | *R*m*, R*eL*, A* | Jul.~ Dec., 2017 | 550 | □ |
| **Environmental Analysis** | | | | | | |
| NIL PT-1193 | Determination of lead and cadmium content in soil | Soil | Pb, Cd | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1194 | Determination of Nickel,Copper,Zinc content in soil | Soil | Ni, Cu,  Zn | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1195 | Determination of total mercury and total Arsenic in soil | Soil | Total Hg 、Total As | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1196 | Determination of total chromium content in soil | Soil | Total Cr | Apr.~Oct., 2017 | 450 | □ |
| NIL PT-1197 | Determination of total Phosphorus in soil | Soil | Total P | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1199 | Determination of pH in soil | Soil | pH at 25°C | Apr.~Oct., 2017 | 450 | □ |
| **Food** | | | | | | |
| NIL PT-1292 | Determination of total As in rice meal | Rice meal | Total As | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1293 | Determination of Cd in rice meal | Rice meal | Cd | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1294 | Determination of fat and protein in milk powder for infant formula | Milk powder | Fat, protein | Jul.~ Dec., 2017 | 450 | □ |
| **Textile** | | | | | | |
| NIL PT-1311 | Determination of formaldehyde in textile (water extraction method) | Textile | Formaldehyde | Jul.~ Dec., 2017 | 450 | □ |
| NIL PT-1312 | Determination offiber content in textile | Textile | Fiber content | Jul.~ Dec., 2017 | 450 | □ |

| **Serial No** | **Title** | **Test object** | **Test items** | **Schedule** | **Fees (USD)** | **Select** |
| --- | --- | --- | --- | --- | --- | --- |
| **RoHS** | | | | | | |
| NIL PT-1313 | Restricted substances in electronic and electrical products – Determination of Pb content in copper and copper alloys | Electronic and electrical products – copper and copper alloys | Pb | Apr.~Oct., 2017 | 450 | □ |
| NIL PT-1314 | Restricted substances in electronic and electrical products – Determination of Pb and Cd content in aluminum and aluminum alloys | Electronic and electrical products – aluminum and aluminum alloys | Pb, Cd | Apr.~Oct., 2017 | 450 | □ |
| NIL PT-1315 | Restricted substances in electronic and electrical products – Determination of Pb and Cd content in zinc and zinc alloys | Electronic and electrical products – zinc and zinc alloys | Pb, Cd | Apr.~Oct., 2017 | 450 | □ |
| NIL PT-1316 | Restricted substances in electronic and electrical products – Determination of noxious substance content in ABS | Electronic and electrical products – ABS | Pb, Cd, Hg, Cr6+, Br | Apr.~Oct., 2017 | 450 | □ |
| NIL PT-1318 | Restricted substances in electronic and electrical products – Determination of flame retardant content in plastic | Electronic and electrical products – plastic | BDE-209 | Apr.~Oct., 2017 | 450 | □ |
| **Plastic** | | | | | | |
| NIL PT-1319 | Determination of phthalate plasticizers in plastic toy | Plastic toy | DBP, DEHP, BBP, DINP, DIDP | Apr.~Oct., 2017 | 450 | □ |
| NIL PT-1320 | Determination of halogen elements in plastic | Plastic | Cl, Br | Apr.~Oct., 2017 | 450 | □ |
| **Microstructure and Physical Properties of Materials** | | | | | | |
| NIL PT-1332-1 | Determination of average grain size in metallic materials(only for Intercept Procedure) | Metallic materials | Grain size number | Mar.~ Jul., 2017 | 450 | □ |

| **Serial No** | **Title** | **Test object** | **Test items** | **Schedule** | **Fees (USD)** | **Select** |
| --- | --- | --- | --- | --- | --- | --- |
| NIL PT-1332-2 | Determination of average grain size in metallic materials(only for Intercept Procedure) | Metallic materials | Grain size number | Jul.~ Dec., 2017 | 450 |  |
| NIL PT-1334 | Determination of depth of decarburization of steels | Steels | Depth of decarburization | Jul.~ Dec., 2017 | 450 |  |
| NIL PT-1342 | Determination of average grain size in aluminium alloy(only for Intercept Procedure) | Aluminium alloy | Grain size number | Apr.~ Oct., 2017 | 450 | □ |
| **Mechanical Properties for Materials** | | | | | | |
| NIL PT-1351-1 | Brinell hardness test for metallic materials(only for ISO 6506-1) | Metallic materials | HBW 2.5/187.5 | Mar.~ Jul., 2017 | 500 | □ |
| NIL PT-1351-2 | Brinell hardness test for metallic materials(only for ISO 6506-1) | Metallic materials | HBW 2.5/187.5 | Jul.~ Dec., 2017 | 500 | □ |
| NIL PT-1352-1 | Brinell hardness test for metallic materials(only for ISO 6506-1) | Metallic materials | HBW 5/750 | Mar.~ Jul., 2017 | 500 | □ |
| NIL PT-1352-2 | Brinell hardness test for metallic materials(only for ISO 6506-1) | Metallic materials | HBW 5/750 | Jul.~ Dec., 2017 | 500 | □ |
| NIL PT-1353-1 | Brinell hardness test for metallic materials(only for ISO 6506-1) | Metallic materials | HBW 10/3000 | Mar.~ Jul., 2017 | 500 | □ |
| NIL PT-1353-2 | Brinell hardness test for metallic materials(only for ISO 6506-1) | Metallic materials | HBW 10/3000 | Jul.~ Dec., 2017 | 500 | □ |
| NIL PT-1354-1 | Rockwell hardness test for metallic materials(only for ISO 6508-1) | Metallic materials | HRB | Mar.~ Jul., 2017 | 500 | □ |
| NIL PT-1354-2 | Rockwell hardness test for metallic materials(only for ISO 6508-1) | Metallic materials | HRB | Jul.~ Dec., 2017 | 500 | □ |
| NIL PT-1355-1 | Rockwell hardness test for metallic materials(only for ISO 6508-1) | Metallic materials | HRC | Mar.~Jul., 2017 | 500 | □ |
| NIL PT-1355-2 | Rockwell hardness test for metallic materials(only for ISO 6508-1) | Metallic materials | HRC | Jul~ Sep., 2017 | 500 | □ |
| NIL PT-1355-3 | Rockwell hardness test for metallic materials(only for ISO 6508-1) | Metallic materials | HRC | Sep.~ Dec., 2017 | 500 | □ |
| NIL PT-1356 | Vickers hardness test for metallic materials(only for ISO 6507-1) | Metallic materials | HV0.2 | Jul.~ Dec., 2017 | 550 | □ |
| NIL PT-1357 | Vickers hardness test for metallic materials(only for ISO 6507-1) | Metallic materials | HV5 | Jul.~ Dec., 2017 | 550 | □ |
| NIL PT-1358-1 | Vickers hardness test for metallic materials(only for ISO 6507-1) | Metallic materials | HV10 | Mar.~ Jul., 2017 | 550 | □ |

| **Serial No** | **Title** | **Test object** | **Test items** | **Schedule** | **Fees (USD)** | **Select** |
| --- | --- | --- | --- | --- | --- | --- |
| NIL PT-1358-2 | Vickers hardness test for metallic materials(only for ISO 6507-1) | Metallic materials | HV10 | Jul.~ Dec., 2017 | 550 | □ |
| NIL PT-1362-1 | Room temperature tensile test for metallic materials (*R*m: 400MPa-1000MPa. Diameter of sample: Φ10mm, M16 normal screw threaded both ends. Matched chucking heads are required. ) | Metallic materials | *R*m*, R*eL*, A, Z,R*p0.2 | Mar.~ Jul., 2017 | 600 | □ |
| NIL PT-1362-2 | Room temperature tensile test for metallic materials (*R*m: 400MPa~1000MPa. Diameter of sample: Φ10mm, M16 normal screw threaded both ends. Matched chucking heads are required. ) | Metallic materials | *R*m*, R*eL*, A, Z,R*p0.2 | Jul.~ Dec., 2017 | 600 | □ |
| NIL PT-1363 | Room temperature tensile test for metallic materials (*R*m: 400MPa~1000MPa. Diameter of sample: Φ5mm, M12 normal screw threaded both ends. Matched chucking heads are required. ) | Metallic materials | *R*m*, R*eL*, A, Z,R*p0.2 | Apr.~Oct., 2017 | 600 | □ |
| NIL PT-1364 | Room temperature tensile test for metallic materials (*R*m: 400MPa~1000MPa.Diameter of sample: Φ20mm, Diameter of terminal end: Φ27mm. ) | Metallic materials | *R*m*, R*eL*, A, Z,R*p0.2 | Jul.~ Dec., 2017 | 600 | □ |
| NIL PT-1365-1 | Room temperature tensile test for plates of metallic materials (recommended testing machine: 50kN~100kN.only for ISO 6892-1） | Metallic materials | *R*m*, R*eL*, A, R*p0.2 | Mar.~ Jul., 2017 | 600 | □ |
| NIL PT-1365-2 | Room temperature tensile test for plates of metallic materials (recommended testing machine: 50kN~100kN. only for ISO 6892-1） | Metallic materials | *R*m*, R*eL*, A, R*p0.2 | Jul.~ Dec., 2017 | 600 | □ |

| **Serial No** | **Title** | **Test object** | **Test items** | **Schedule** | **Fees (USD)** | **Select** |
| --- | --- | --- | --- | --- | --- | --- |
| NIL PT-1366 | Elevated temperature tensile test for metallic materials (recommended temperature: more than 300℃. only for ISO 6892-1） | Metallic materials | *R*m*, A, Z,R*p0.2 | Jul.~ Dec., 2017 | 600 | □ |
| NIL PT-1368 | Room temperature tensile test for aluminum alloy sheet (recommended testing machine: 20kN~50kN. only for ISO 6892-1） | Aluminum alloy sheet | *R*m*, A, R*p0.2 | Jul.~ Dec., 2017 | 600 | □ |
| NIL PT-1371-1 | Charpy impact test for metallic materials (Striker R=2mm. Recommended testing machine: ≥300J) | Metallic materials | Impact Absorbed Energy | Mar.~ Jul., 2017 | 550 | □ |
| NIL PT-1371-2 | Charpy impact test for metallic materials (Striker R=2mm. Recommended testing machine: ≥300J) | Metallic materials | Impact Absorbed Energy | Jul.~ Dec., 2017 | 550 | □ |
| NIL PT-1372 | Charpy impact test for metallic materials (Striker R=2mm. Recommended testing machine: ≥150J) | Metallic materials | Impact Absorbed Energy | Apr.~Oct., 2017 | 550 | □ |
| NIL PT-1373 | Charpy impact test for metallic materials (Striker R=8mm. Recommended testing machine: ≥300J) | Metallic materials | Impact Absorbed Energy | Apr.~Oct., 2017 | 550 | □ |
| NIL PT-1374 | Low-temperature Charpy impact test for metallic materials (Striker R=2mm. Recommended testing machine: ≥150J) | Metallic materials | Impact Absorbed Energy | Jul.~ Dec., 2017 | 550 | □ |
| **Non-destructive Test for Metallic Material** | | | | | | |
| NIL PT-1388 | Non-destructive tesitng of welds(Ultrasonic testing) (Sequential scheme) | Steel Plate | Location of indication, length of indication | Apr.~Dec., 2017 | 500 | □ |

**\*Note: For NIL PT-1120-1, NIL PT-1120-2, NIL PT-1120-3, NIL PT-1121-1, NIL PT-1121-2, NIL PT-1125-1 and NIL PT-1125-2, NIL PT-1127, NIL PT-1141, NIL PT-1142-1, NIL PT-1142-2, NIL PT-1144,two kinds of samples (discs and chips) are available for different methods. Please choose the kind of samples you would like to receive in the registration form.**

Name of Laboratory:

Postal Address & Zip Code:

Contact Person: Country:

E-mail:

Tel:; Fax:

***If you can’t place orders on the PT Platform, please contact us or return this form as soon as possible by e-mail or fax.***

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**SOME USEFUL INFORMATION OF THE SCHEMES:**

## \* How to participate our PT schemes

Please register on the page of “PT Platform” on our website (<http://english.nil.org.cn>). Via the NIL PT Service Platform, you can place your order(order the PT schemes), edit your information, follow the process of the schemes(orders), upload the testing results, check / download the final results and report of PT schemes. If you have any questions while using the PT platform, please feel free to contact us.

## \* Test samples (or specimens)

After NIL receives the orders on the “PT platform” or the “Registration Form for PT Schemes” from the participants, test samples will be distributed along with “INSTRUCTIONS TO PARTICIPANTS”, “SAMPLES RECEIPT FORM”, “RESULT SHEET” and “ATC code” to the laboratories participating in the scheme. Some of 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 places the orders on the PT platform. An invoice will be forwarded to the participating laboratory together with the sample.