**BITUMEN, PETROLEUM PRODUCTS and GASES PROFICIENCY TESTS**

**(January 2020 – December 2020)**

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| **Proficiency Testing Scheme** | **Provisional Scope \*)** | **ID of PT** |
| Bitumen | Tests from the Paving Grade EN12591 profile and other tests. | iis20F02 |
| Crude Oil | Acid Number, API gravity, BS&W, Density, Kinematic Viscosity, Light Ends, Molecular Mass, Pour Point, Salt as NaCl, Sediment (D473 and D4807), Sulfur, Water and Simulated Distillation. And an additional sample for Mercury. | iis20R01 |
| Gascondensate | Color Saybolt, Density, Distillation, Mercury, Methanol, Sulfur, Water and Simulated Distillation. | iis20R02 |
| Naphtha | The first sample (iis20N01) is for tests like Color Saybolt, Copper Corrosion, Density, Distillation, Mercaptan Sulfur, Organic Chloride and Sulfur. The second sample (iis20N01) is for individual Oxygenates, PIONA and DHA.Separate samples are available for Mercury (iis20N01Hg), Arsenic / Lead (iis20N01AsPb) and DVPE (iis20N01DVPE). | iis20N01, iis20N01Hg, iis20N01AsPb, iis20N01DVPE |
| Natural Gas (Methane) | Methane, Ethane, Propane, iso-Butane, n-Butane, Carbon dioxide, Nitrogen, Carbon content and Physical properties. | iis20S01M |
| Liquefied Butane | Propane, Propene, iso-Butane, n-Butane, 1-Butene, iso-Butene, trans/cis-2-Butene, 1,3-Butadiene, n-Pentane, iso-Pentane and Physical properties. | iis20S02B  |
| Liquefied Propane | Ethane, Propane, Propene, iso-Butane, n-Butane, 1-Butene, iso-Butene, n-Pentane and Physical properties.  | iis20S03P |
| Sulfur (total) in LPG | Total Sulfur in Liquefied Propane (LPG). | iis20S03S |

\*) To see the actual scopes of all previous PTs, you may be interested to download the available PT reports from the page ‘News and Reports’ on iis website www.iisnl.com

**BITUMEN, PETROLEUM PRODUCTS and GASES PT STARTING DATES**

**2020 program**

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| Tick to order participation | ID of PT | Sample dispatch date | Participation costs, excl. transport, etc \*) | Costs Certificate of Performance | Tick to order certificate | Price, sub total |
| ○ | iis20N01 | 11 March 2020 | € 320 | € 415 or€ 510 or€ 605 \*\*) | € 18 | ○ |  |
| ○ | iis20N01Hg | 11 March 2020 | € 320 | € 18 | ○ |  |
| ○ | iis20N01AsPb | 11 March 2020 | € 320 | € 18 | ○ |  |
| ○ | iis20N01DVPE | 11 March 2020 | € 320 | € 18 | ○ |  |
| ○ | iis20S01M | 1 April 2020 | € 995 | € 18 | ○ |  |
| ○ | iis20S02B | 27 May 2020 | € 1495 | € 18 | ○ |  |
| ○ | iis20S03P | 23 September 2020 | € 1495 | € 2260 \*\*) | € 18 | ○ |  |
| ○ | iis20S03S | 23 September 2020 | € 1495 1) | € 18 | ○ |  |
| ○ | iis20R01 | 14 October 2020 | € 320 | € 18 | ○ |  |
| ○ | iis20R02 | 14 October 2020 | € 320 | € 18 | ○ |  |
| ○ | iis20F02 | 4 November 2020 | € 320 | € 18 | ○ |  |

\*) Besides transport costs, other costs may be applicable, see separate form ‘Overview of costs”. All prices are in Euro and excluding VAT.

\*\*) Set price

1) Only applicable to the cylinder used for the Sulfur (total) in LPG PT: When the iis20S03S cylinder is returned to iis before the 8th of January 2021, the next invoice to come will be reduced with 200 Euro. The return shipment of empty cylinders, including transport costs, is the responsibility of the customer.

2) Due to lack of sample material, participation in this PT may be limited.