Report form for late reported test results of **sample #23105**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Determination | Unit | Reference method \*) | Actual method used \*) | UnroundedResult \*) | Roundedresult*cfr.* used standard \*) |
| Total Acid Number \*\*\*) | mg KOH/g | D664-A |  |  |  |
| API Gravity |  | D1298 |  |  |  |
| Ash Content | %M/M | ISO6245 |  |  |  |
| Asphaltenes | %M/M | IP143 |  |  |  |
| Calc. Carbon Aromaticity Index |  | ISO8217 |  |  |  |
| Carbon Residue micro method | %M/M | ISO10370 |  |  |  |
| Conradson Carbon Residue  | %M/M | D189 |  |  |  |
| Density at 15 °C  | kg/m3 | ISO12185 |  |  |  |
| **Flash Point PMcc** | **method/procedure used: A / B / C \*\*)**  |
| Flash Point PMcc | °C | ISO2719 |  |  |  |
| Heat of Combustion (Gross) | MJ/kg | D240 |  |  |  |
| Heat of Combustion (Net) | MJ/kg | D240 |  |  |  |
| **Hydrogen Sulfide** | **method/procedure used: A / B \*\*)**  |
| Hydrogen Sulfide | mg/kg | IP570 |  |  |  |
| Kinematic Viscosity at 50 °C | mm2/s | ISO3104 |  |  |  |
| Kinematic Viscosity at 100 °C | mm2/s | ISO3104 |  |  |  |
| Kinematic Viscosity Stabinger at 50 °C | mm2/s | D7042 |  |  |  |
| Kinematic Viscosity Stabinger at 100 °C | mm2/s | D7042 |  |  |  |
| **Nitrogen**  | **method/procedure used: Gravimetric / Volumetric \*\*)**  |
| Nitrogen | mg/kg | D5762 |  |  |  |
| Pour Point Lower | °C | ISO3016 |  |  |  |
| Pour Point Upper | °C | ISO3016 |  |  |  |
| Pour Point Automated 3 °C interval | °C | D5950 |  |  |  |

\*) Please see the letter of instructions before the start of the tests at [www.kpmd.co.uk/sgs-iis](https://www.kpmd.co.uk/sgs-iis/)

\*\*) Please circle the right option

\*\*\*) Please answer the Additional Questions about Total Acid Number (ASTM D664) if the determination is performed (see Additional Questions on the final page)

\*\*\*\*) Please perform the Vacuum Distillation as near as possible to 10 mmHg and report all temperatures at 760 mmHg (Atmospheric Equivalent Temperatures)

**This table continues on the next page.**

Report form for late reported test results of **sample** **#23105 - continued**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Determination | Unit | Reference method \*) | Actual method used \*) | UnroundedResult \*) | Roundedresult*cfr.* used standard \*) |
| Sediment by Extraction | %M/M | D473 |  |  |  |
| Total Sediment Existent (TSE)  | %M/M | IP375 |  |  |  |
| Total Sediment Accelerated (TSA) | %M/M | IP390 |  |  |  |
| Total Sediment Potential (TSP) | %M/M | IP390 |  |  |  |
| Total Sulfur | %M/M | ISO8754 |  |  |  |
| Water by distillation | %V/V | ISO3733 |  |  |  |
| Water and Sediment | %V/V | D1796 |  |  |  |
| **Vacuum Distillation at 10 mmHg but reported as AET \*\*\*\*)** |  |
| Initial Boiling Point as AET | °C | D1160 |  |  |  |
| 5% recovered as AET | °C | D1160 |  |  |  |
| 10% recovered as AET | °C | D1160 |  |  |  |
| 20% recovered as AET | °C | D1160 |  |  |  |
| 30% recovered as AET | °C | D1160 |  |  |  |
| 40% recovered as AET | °C | D1160 |  |  |  |
| 50% recovered as AET | °C | D1160 |  |  |  |
| Final Boiling Point as AET | °C | D1160 |  |  |  |
| **CHN Analysis** | **method/procedure used: A / B / C / D \*\*)**  |
| Total Carbon | %M/M | D5291 |  |  |  |
| Total Hydrogen | %M/M | D5291 |  |  |  |
| Total Nitrogen | %M/M | D5291 |  |  |  |

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\*\*) Please circle the right option

\*\*\*) Please answer the ”Additional Questions” about Total Acid Number (ASTM D664) if the determination is performed (see Additional Questions on the final page)

\*\*\*\*) Please perform the Vacuum Distillation as near as possible to 10 mmHg and report all temperatures at 760 mmHg (Atmospheric Equivalent Temperatures)

**Please see the next page for the Additional Questions.**

Report form for late reported test results

**Additional Questions**

**About Total Acid Number (ASTM D664):**

1. What was the volume of the titration solvent?
* 60 mL
* 125 mL
1. How was the end point determined?
* Inflection Point
* Buffer End Point pH 10
* Buffer End Point pH 11
1. Remarks on Additional Questions:

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