Report form for late reported test results of **sample #20235**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Determination | Unit | Reference method \*) | Actual method used \*) | | Unrounded  Result \*) | Rounded  result  *cfr.* used standard \*) | |
| Total Acid Number \*\*\*) | mg KOH/g | D664-A |  | |  |  | |
| Aniline Point | Submethod D611: A / B / C / D / E / other \*\*) | | | | | | |
| Aniline Point of n-heptane | °C |  |  | |  |  | |
| Aniline Point | °C | D611 |  | |  |  | |
| Asphaltenes | %M/M | IP143 |  | |  |  | |
| Carbon Residue (micro method) | %M/M | D4530 |  | |  |  | |
| Density at 15°C | kg/m3 | ISO12185 |  | |  |  | |
| Flash Point PMcc | Procedure A / B \*\*) | | | | | | |
| Flash Point PMcc | °C | D93-B |  |  | | |  |
| Kinematic Viscosity at 50°C | mm2/s | D445 |  |  | | |  |
| Kinematic Viscosity at 100°C | mm2/s | D445 |  |  | | |  |
| Nitrogen | mg/kg | D5762 |  |  | | |  |
| Nitrogen method | Followed method: Gravimetric / Volumetric \*\*) | | | | | | |
| Pour Point, Manual | °C | D97 |  |  | | |  |
| Pour Point, Automated, 3°C interval | °C | D5950 |  |  | | |  |
| Total Sulfur | %M/M | D4294 |  |  | | |  |

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

\*\*) Please circle the right option

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

**This report form continues on the next page.**

Report form for late reported test results of **sample** **#20235 – continued**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Determination | Unit | Reference method \*) | Actual method used \*) | Unrounded  Result \*) | Rounded  result  *cfr.* used standard \*) |
| **Simulated distillation** |  |  |  |  |  |
| - Initial Boiling Point | °C | D6352 |  |  |  |
| - 10% recovered | °C | D6352 |  |  |  |
| - 30% recovered | °C | D6352 |  |  |  |
| - 50% recovered | °C | D6352 |  |  |  |
| - 70% recovered | °C | D6352 |  |  |  |
| - 90% recovered | °C | D6352 |  |  |  |
| - Final Boiling Point | °C | D6352 |  |  |  |
| **Distillation performed at 10 mmHg but reported as AET \*\*)** | | | | | |
| - Initial Boiling Point as AET | °C | D1160 |  |  |  |
| - 10% recovered as AET | °C | D1160 |  |  |  |
| - 30% recovered as AET | °C | D1160 |  |  |  |
| - 50% recovered as AET | °C | D1160 |  |  |  |
| - 70% recovered as AET | °C | D1160 |  |  |  |
| - 90% recovered as AET | °C | D1160 |  |  |  |
| - Final Boiling Point as AET | °C | D1160 |  |  |  |

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

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

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Report form for late reported test results of **sample** **#20236**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Determination | Unit | Reference method \*) | Actual method used \*) | Unrounded  Result \*) | Rounded  result  *cfr.* used standard \*) |
| Elements |  | | | | |
| - Aluminum as Al | mg/kg | IP501 |  |  |  |
| - Silicon as Si | mg/kg | IP501 |  |  |  |
| - Sum Aluminum and Silicon | mg/kg |  |  |  |  |
| - Iron as Fe | mg/kg | IP501 |  |  |  |
| - Nickel as Ni | mg/kg | IP501 |  |  |  |
| - Sodium as Na | mg/kg | IP501 |  |  |  |
| - Vanadium as V | mg/kg | IP501 |  |  |  |
| - Calcium as Ca | mg/kg | IP501 |  |  |  |
| - Phosphorus as P | mg/kg | IP501 |  |  |  |
| - Zinc as Zn | mg/kg | IP501 |  |  |  |
| - Arsenic as As | mg/kg |  |  |  |  |
| - Copper as Cu | mg/kg |  |  |  |  |

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

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

Report form for late reported test results

**Additional Questions**

**About 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:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_