**To shield the Crude Oil from light, the bottle is packed in a red plastic bag. Please store the bottle in the dark prior to and during the analyzes.**

Report form for late reported test results of **sample #23220**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Determination | Unit | Reference method \*) | Actual method used \*) | UnroundedResult \*) | Roundedresult*cfr.* used standard \*) |
| Total Acid Number \*\*) | mg KOH/g | D664-A |  |  |  |
| API Gravity |  | D287 |  |  |  |
| BS&W | %V/V | D4007 |  |  |  |
| Density at 15 °C | kg/m3 | D5002 |  |  |  |
| Kinematic Viscosity at 40 °C | mm2/s | D445 |  |  |  |
| Light ends |  |
| Methane | %M/M |  |  |  |  |
| Ethane | %M/M | IP344 |  |  |  |
| Propane | %M/M | IP344 |  |  |  |
| iso-Butane | %M/M | IP344 |  |  |  |
| n-Butane | %M/M | IP344 |  |  |  |
| iso-Pentane | %M/M | IP344 |  |  |  |
| n-Pentane | %M/M | IP344 |  |  |  |
| cyclo-Pentane | %M/M | IP344 |  |  |  |
| Total Hexanes | %M/M | IP344 |  |  |  |
| Total of all C1-C6 | %M/M |  |  |  |  |
| Average Molecular Mass | g/mol | D2503 |  |  |  |
| Pour Point Maximum | °C | D5853-A |  |  |  |
| Salt as Chloride | mg/kg | D3230 |  |  |  |
| Sediment (Extraction method)  | %V/V | D473 |  |  |  |
| Sediment (Membrane filtration) | %M/M | D4807 |  |  |  |
| Total Sulfur  | %M/M | D4294 |  |  |  |
| Water  | %V/V | D4377 |  |  |  |

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

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

Report form for late reported test results of **sample** **#23220 - continued**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Determination | Unit | Reference method \*) | Actual method used \*) | UnroundedResult \*) | Roundedresult*cfr.* used standard \*) |
| Simulated Distillation |  |  |  |  |  |
| Initial Boiling Point | °C  | D7169 |  |  |  |
| 5% recovered  | °C  | D7169 |  |  |  |
| 10% recovered  | °C  | D7169 |  |  |  |
| 30% recovered  | °C  | D7169 |  |  |  |
| 50% recovered  | °C  | D7169 |  |  |  |
| 70% recovered  | °C  | D7169 |  |  |  |
| 90% recovered  | °C  |   |  |  |  |
| Final Boiling Point | °C  |   |  |  |  |
| Total recovery  | %M/M |  |  |  |  |

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

**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:

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