Report form for late reported test results of **sample #23080**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Determination | Unit | Reference method \*) | Actual method used \*) | UnroundedResult \*) | Roundedresult*cfr.* used standard \*) |
| Total Acid Number \*\*\*) | mg KOH/g | D664-A |  |  |  |
| **Base Number** | **method/procedure used:**  **A forward, A back, B forward or B back \*\*)**  |
| Base Number (HClO4 titration) \*\*\*) | mg KOH/g | D2896 |  |  |  |
| Color ASTM  |  | D1500 |  |  |  |
| Conradson Carbon Residue | %M/M | D189 |  |  |  |
| Ramsbottom Carbon Residue | %M/M | D524 |  |  |  |
| Carbon Residue (micro method) | %M/M | D4530 |  |  |  |
| Density at 15 °C  | kg/L | ISO12185 |  |  |  |
| **Evaporation loss by Noack** | **method/procedure used: A, B, C, or D \*\*)** |
| Evaporation loss by Noack | %M/M | D5800 |  |  |  |
| Flash Point C.O.C. | °C | D92 |  |  |  |
| **Flash Point PMcc** | **method/procedure used: A or B \*\*)**  |
| Flash Point PMcc | °C | D93  |  |  |  |
| **Foaming Tendency \*\*\*)**  |  |
| Sequence I (5 min. blowing period) | mL | D892 |  |  |  |
| Sequence II (5 min. blowing period) | mL | D892 |  |  |  |
| Sequence III (5 min. blowing period) | mL | D892 |  |  |  |
| **Foam Stability \*\*\*)** |  |
| Sequence I (10 min. settling point) | mL | D892 |  |  |  |
| Sequence II (10 min. settling point) | mL | D892 |  |  |  |
| Sequence III (10 min. settling point) | mL | D892 |  |  |  |

\*) 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) and/or Base Number (ASTM D2896) and/or Foaming Characteristics 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** **#23080 - continued**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Determination | Unit | Reference method \*) | Actual method used \*) | UnroundedResult \*) | Roundedresult*cfr.* used standard \*) |
| Kinematic Viscosity at 40 °C | mm2/s | D445 |  |  |  |
| Kinematic Viscosity at 100 °C | mm2/s | D445 |  |  |  |
| Viscosity Index |  | D2270 |  |  |  |
| Kinematic Viscosity Stabinger at 40 °C | mm2/s | D7042 |  |  |  |
| Kinematic Viscosity Stabinger at 100 °C | mm2/s | D7042 |  |  |  |
| Viscosity Apparent (CCS) at -25 °C | mPa.s | D5293 |  |  |  |
| Viscosity HTHS  | mPa.s | D4683 |  |  |  |
| Nitrogen | mg/kg | D5762 |  |  |  |
| Pour Point Manual | °C | D97 |  |  |  |
| Pour Point Automated 1 °C interval | °C | D5950 |  |  |  |
| Sulfated Ash | %M/M | D874 |  |  |  |
| Sulfur | mg/kg | D4294 |  |  |  |
| **Water** | **version used D6304: 2016e1 or 2020 \*\*)****method/procedure used D6304: A, B or C \*\*)**  |
| Water  | mg/kg | D6304 |  |  |  |
| **Elemental Analyzes** |  |
| Calcium as Ca | mg/kg | D5185 |  |  |  |
| Phosphorus as P | mg/kg | D5185 |  |  |  |
| Zinc as Zn | mg/kg | D5185 |  |  |  |

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\*\*) Please circle the right option

\*\*\*) Please answer the additional questions about Total Acid Number (ASTM D664) and/or Base Number (ASTM D2896) and/or Foaming Characteristics if the determination is performed (see Additional Questions on the final page)

**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

**About Base Number (ASTM D2896):**

1. Which solvent was used?
* Chlorobenzene
* Xylenes, mixed
* Other, please specify below:

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**About Foaming Characteristics:**

1. How was the sample used?
* As received
* After agitation (option A)
* Other, please specify below:

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1. What type of diffuser was used?
* Metal (Stainless Steel)
* Stone (Non-Metallic)
1. Remarks on Additional Questions:

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