JSC Mozyr Oil Refinery

The Republic of Belarus, Gomel Region, 247760, Mozyr-11

Passport No 360

Slurry Oil (MSCC Unit)

Lot No: 360

Gross weight: kg Net weight: kg

Production Date: 06.03.2019 Reservoir # 77 Innage: 1040 сm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Parameter | Measurement Unit | Test Method | Limit values | Actual value |
|  |  |
| 1 | Distillation:Initial boiling point | oC | STB 1559 | - | 300 | 268,9 |
| 50% distilled at the temperature  | oC | STB 1559 | - | 440 | 425,7 |
| Final boiling point | oC | STB 1559 | - | 550 | 531,4 |
| Received volume | % | STB 1559 | Not rated, mandatory definition | Not rated, mandatory definition | 91,0 |
| 2 | Density at 15 oC | kg/m3 | GOST 31072 | - | 1100 | 1037,2 |
| 3 | Flash point in an open cup | oC | STB 1651 | 110 | - | 192 |
| 4 | Freezing point  | oC | GOST 20287 (method B) | - | Plus 12 | 12 |
| 5 | Pour point | oC | GOST 20287 (Method A) | - | Plus 15 | 15 |
| 6 | Kinematic viscosity at 50 oC | mm2/s | STB ISO 3104 | - | 200 | 107,66 |
| 7 | Sulphur content | o% | STB 1420 | - | 1,2 | 0,76 |
| 8 | Water content | o% | GOST 2477 | - | 1,0 | 0,1 |
| 9 | Content of water soluble acids and alkaline | o% | GOST 6307 | absent | absent | absent |
| 10 | Acid number | mgKOH/g | GOST 5985 | - | 2,5 | 0,01 |
| 11 | Hydrogen sulfide content | mg/kg | GOST R 53716 | - | 10 | 1,0 |
| 12 | Ash content | o% | GOST 1461 | Not rated, mandatory definition | Not rated, mandatory definition | 0,87 |
| 13 | Coke residue (micromethod) | o% wt | GOST ISO 10370 | - | 18 | 5,18 |

Conclusion: the product conforms to the Specification to the Contract.

Chemist: Tiukina Date of passport issue: 06.03.2019