Corrected Table 5. Optimal reaction conditions for the synthesis of dialkylphosphate with different alcohols

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1-Butanol | 1-Hexanol | 1-Octanol | 1-Nonanol | 1-Tridecanol | 1-Tetradecanol | 1-Octadecanol |
| A | 3:1 | 2:1 | 4:1 | 4:1 | 4:1 | 3:1 | 3:1 |
| B | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| C | 7 | 6 | 7 | 6 | 7 | 7 | 7 |

Corrected Table 6. The viscosity of the oil based fracturing fluid

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name  Factor | 1-Butanol | 1-Hexanol | 1-Octanol | 1-Nonanol | 1-Tridecanol | 1-Tetradecanol | 1-Octadecanol |
| *μ*, mPa·s | 33.7 | 41.2 | 65.7 | 72.1 | 134.4 | 147.9 | 150.7 |

Corrected Table 9. Optimal reaction conditions for the synthesis of dialkylphosphate with different alcohols

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1-Butanol | 1-Hexanol | 1-Octanol | 1-nonanol | 1-Tridecanol | 1-Tetradecanol | 1-Octadecanol |
| A | 4:1 | 4:1 | 4:1 | 4:1 | 4:1 | 4:1 | 4:1 |
| B | 90 | 85 | 85 | 85 | 90 | 85 | 90 |
| C | 7 | 8 | 8 | 8 | 7 | 7 | 8 |

Corrected Table 10. The viscosity of the oil based fracturing fluids

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name  Factor | 1-Butanol | 1-Hexanol | 1-Octanol | 1-nonanol | 1-Tridecanol | 1-Tetradecanol | 1-Octadecanol |
| *μ*, mPa·s | 36.3 | 52.2 | 87.4 | 104.8 | 181.48 | 194.08 | 200.03 |