

Technical Data Sheet

LubKlear®

GENERAL DESCRIPTION

LubKlear® white mineral oils that are highly refined to produce premium quality mineral oil developed for use in food processing plants, consumer products and in other applications that require an odorless and exceptionally pure white mineral oil. LubKlear® white mineral oils meet or exceed the highest industry standards for purity and stability.

TYPICAL PROPERTIES

| PROPERTIES | ASTM METHOD | LubKlear® | LubKlear® | LubKlear® | LubKlear® | LubKlear® |
|---------------------------|-------------|----------------|-----------|-----------|-----------|-----------|
| | | 50 NF | 60 NF | 70 NF | 85 NF | 90 NF |
| | | TYPICAL | | | | |
| SPECIFIC GRAVITY @ 60°F | D4052 | 0.832 | 0.855 | 0.8535 | 0.857 | 0.855 |
| VISCOSITY @ 40°C (CST) | D445 | 10 | 11 | 12.0 | 17.0 | 20.3 |
| VISCOSITY @ 100°C (CST) | D445 | -- | 2.5 | 3.0 | 3.5 | 4.1 |
| FLASH POINT COC °C | D92 | -- | 164 | 177 | 185 | 199 |
| SOLID PARAFFINS | USP | PASS | PASS | PASS | PASS | PASS |
| READILY CARBONIZABLE SUBS | USP | PASS | PASS | PASS | PASS | PASS |
| ACIDITY | USP | PASS | PASS | PASS | PASS | PASS |
| ODOR | USP | PASS | PASS | PASS | PASS | PASS |
| LIMIT OF PAH | USP | PASS | PASS | PASS | PASS | PASS |
| LIMIT OF SULFUR COMPOUNDS | USP | PASS | PASS | PASS | PASS | PASS |
| INFRARED ABSORPTION | USP | -- | PASS | PASS | PASS | PASS |
| FDA 21 CFR 172.878 | -- | PASS | PASS | PASS | -- | PASS |

| PROPERTIES | ASTM METHOD | LubKlear® 220 USP | LubKlear® 350 USP | LubKlear® 400 USP | LubKlear® 500 USP |
|---------------------------|-------------|----------------------|----------------------|----------------------|----------------------|
| | | TYPICAL | | | |
| SPECIFIC GRAVITY @ 60°F | D4052 | 0.862 | 0.863 | 0.867 | 0.870 |
| VISCOSITY @ 40°C (CST) | D445 | 42 | 68 | 80 | 105 |
| VISCOSITY @ 100°C (CST) | D445 | 6.4 | 6.5 | 9.5 | 11.3 |
| FLASH POINT COC °C | D92 | 232 | 250 | 264 | 268 |
| SOLID PARAFFINS | USP | PASS | PASS | PASS | PASS |
| READILY CARBONIZABLE SUBS | USP | PASS | PASS | PASS | PASS |
| ACIDITY | USP | PASS | PASS | PASS | PASS |
| ODOR | USP | PASS | PASS | PASS | PASS |
| LIMIT OF PAH | USP | PASS | PASS | PASS | PASS |
| LIMIT OF SULFUR COMPOUNDS | USP | PASS | PASS | PASS | PASS |
| INFRARED ABSORPTION | USP | PASS | PASS | PASS | PASS |
| FDA 21 CFR 172.878 | -- | PASS | PASS | PASS | PASS |

Note: Values shown here reflect approximate specification limits and typical values. USP Meets update version.