



Technical Product Information

USP WHITE OIL

NSF WHITE OILS FOR DIRECT FOOD CONTACT



Product Description: USP WHITE OIL is highly refined mineral oils which are colorless, tasteless, and odorless. They are especially refined to obtain the highest degree of purity for their use in those applications requiring direct food contact.

Features:

- Produced from highly refined hydrogenated paraffin base stocks for:
 - Low volatility.
 - Low pour points.
 - Excellent color stability.
 - Biodegradable.
- Meets NSF specifications for products listed as H-1.
- Certified Kosher and Pareve for Passover.

Typical Uses:

- USP WHITE OILS meet the requirements of NSF regulations CFR172.878 and CFR178.3620A.
- USP WHITE OILS can be used in the following applications:
 - Cosmetics - cleaners, extenders and grooming aids for hair oils, sun tan oils, and shampoo.
 - Pharmaceuticals - release agent for tablets, carriers.
 - Food - food equipment lubricants, dough divider oil, baking pan oils, defoamers, fruit and vegetable coatings.
 - Plastics - plasticizers and internal lubricants, extrusion aids.

Typical Specifications:

| GRADE, ISO | 7 USP | 9 USP | 10USP | 20 USP | 24 USP | 35 USP | 50 USP |
|------------------|-------|-------|-------|--------|--------|--------|--------|
| Gravity, °API | 33.3 | 33.1 | 32.0 | 31.8 | 31.6 | 31.8 | 30.3 |
| Flash Point, °F. | 350 | 365 | 400 | 425 | 440 | 465 | 515 |
| Pour Point, °F. | -4 | 0 | 0 | 0 | 0 | 5 | 10 |
| Viscosity: | | | | | | | |
| SUS @ 100°F. | 70 | 85 | 110 | 200 | 240 | 355 | 500 |
| SUS @ 210°F. | 36.6 | 39.1 | 44.0 | 48.9 | 49.9 | 57.5 | 66.5 |
| cSt. @ 40°C. | 11.1 | 16.4 | 20.0 | 38.5 | 47.1 | 69.1 | 105 |
| cSt. @ 100°C. | 2.97 | 3.83 | 4.2 | 6.35 | 7.03 | 9.2 | 11.6 |
| USP Cloud Test | Pass | Pass | Pass | Pass | Pass | Pass | Pass |
| USP Acid Test | Pass | Pass | Pass | Pass | Pass | Pass | Pass |
| Color, Saybolt | +30 | +30 | +30 | +30 | +30 | +30 | +30 |

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY.