



TECHNICAL PRODUCT INFORMATION

USP WHITE OIL

NSF WHITE OILS FOR DIRECT FOOD CONTACT



Product Description: USP WHITE OILS are 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.
- Certified Crescent M Halal.

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:

ISO GRADE	7 USP	9 USP	10 USP	18 USP	20 USP	24 USP	35 USP	50 USP
Product Number	34230	34231	34232	34233	34234	34235	34236	34237
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

Note: All grades are NSF H-1 approved. Grades 7, 9, 10, 18, 35 and 50 are also NSF H-3 approved.

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY