

VANGARD NF WHITE MINERAL OIL 90

Vanguard USP White Mineral Oils are water-white, tasteless, odorless lubricants consisting of chemically and biologically stable, saturated aliphatic and alicyclic hydrocarbons. Our Food Grade White Oils being chemically and biological stable, do not support bacterial growth. Vanguard Food Grade White Oils contain Vitamin E, a natural antioxidant to protect quality during handling and storage. All Vanguard NF/USP White Mineral Oils are Kashruth Kosher Certified.

Vanguard USP White Mineral Oil comply with:

Exceed FDA 21 CFR 172.878 standard for use in or on food for human consumption

Exceed FDA 21 CFR 178.3620(a) standard for use as a component of nonfood articles intended for food contact

Exceed FDA 21 CFR 573.680 standard for use in animal feed and drinking water of animals

NSF registered for Direct Food Contact (3H) and Incidental Food Contact (H1). Registration number 143691.

Common uses for Vanguard White Mineral Oils are:

Cosmetics	pelletizing aid	Adjuvant in vaccines for animals
Pharmaceuticals	drug processing agent	meat and poultry processing
Suntan lotions and baby oils	bath oils	vitamin and medicine production
Egg shell protection	cutlery sharpening	dust suppressant
Process aid for plastics and resins	rust preventatives	Box coatings for vegetables
Textile fiber lubricant	release agent for baking	dough dividers

VANGARD® OIL 90 – Technical Specifications

<i>Property</i>	<i>Method</i>	<i>Typical Properties</i>
Viscosity at 40°C, cSt	D445	15.8
Viscosity at 100°F, SUS	D2161	86.2
Specific Gravity, 25/25°C	D4052	0.854
Color, Saybolt	D156	+30, min
Pour Point, °F (C)	D97	10 (-12)
Carbonizable Substances	D565	Pass
Solid Paraffins	USP/NF	Pass
Water Content, ppm	D1533	35
Appearance	VISUAL	Bright/Clear
Acidity	USP	Pass
UV Absorb (FDA 21.CFR172878)	D2269	Pass
Limit of Sulfur Compounds	USP	Pass
Flash Point, COC °F (C)	D92	360 (182)
Infrared Absorption	USP	Pass

Shelf Life - Shipping and Storage

A. **TEMPERATURE:** It should be stored at 13 degrees Celsius to 29 degrees Celsius. Store sealed and out of direct sunlight.

B. **SHELF LIFE:** "First In – First Out" rotation should be observed. Store sealed product in a cool, dry location and out of direct sunlight for a maximum shelf life of up to 60 months.