



Technical Data Sheet

Head Office : 241, Hae Yang-Ro, Yeong Do-Gu, Busan, Korea Tel +82-51-403-6441 Fax +82-51-403-6440
Ulsan Plant : 91, Cheoyong-Ro 616 Beon-Gil, Nam-Gu, Ulsan, Korea Tel +82-52-256-7857 Fax +82-52-256-4070

LUXMOL 4

WHITE MINERAL OIL (Pharmaceutical Grade)

Product Description

LUXMOL 4 is a product that meets and follows the strict requirement of the pharmaceutical regulations in each countries. The product has an excellent quality, which are produced in GMP qualified plant that ensures high safety and stability by special treatment and packing process for sterilizing high-purity raw materials.

*Production facilities with SUS316

Typical Application

- Gelatin capsules for medical treatments
- Ointments and salves
- Animal vaccines
- Other uses for medical treatments (if relevant)

Features

- HACCP Certified
- HALAL Certified
- KOSHER Certified
- USA FDA, 21 CFR 172.878, 178.3620(a), White Mineral Oil Certified
- US Pharmacopeia, European Pharmacopeia Passed
- EU REACH (EC number 232-455-8) Registered
- CAS No: 8042-47-5 (White mineral oil)

Package Sizes

- 200L STEEL DRUM
- 24,000L IN ISO TANK
- 24,000L IN FLEXIBAG

Health and Safety

-Detailed health and safety information for this product is provided in the Material Safety Data Sheet (MSDS), available upon request.



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Product Specification & Typical Properties

| Typical Properties | Test Method | Specification | Typical |
|---------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Appearance | VISUAL | Oily liquid nearly free from fluorescence, clear bright, free of any haze, turbidity, free from foreign matter contamination or water droplets | Oily liquid nearly free from fluorescence, clear bright, free of any haze, turbidity, free from foreign matter contamination or water droplets |
| Infrared Absorption | USP | The IR spectrum of the sample shall exhibit absorption bands of the same pattern and placement as those exhibited by the standard, with no extraneous bands present. | pass |
| Odor | - | Odorless | Odorless or very faint oil odor |
| Color, Saybolt | ASTM D 156 | Min +30 | +30 |
| Density 15°C, g/cm | ASTM D 4052 | Report | 0.8240 |
| Flash point °C | ASTM D 92 | Min 130 | 140 |
| Pour point °C | ASTM D 97 | Max -30.0 | -51.0 |
| Viscosity, SUS @ 100°F | ASTM D 2161 | Max 45 | 42.0 |
| Viscosity @ 40°C, mm ² /s | ASTM D 445 | 4.0 ~ 5.5 | 4.510 |
| Refractive Index @20°C | ASTM D 1218 | Report | 1.454 |
| Acidity | USP | No more than 0.1mL of 0.01N Sodium Hydroxide required to change the color to pink | Pass |
| Solid Paraffin | USP | A black line of 0.5nm width drawn on a piece of white paper, held vertically behind the bottle, should be clear visible | Pass |
| Limit of Sulfur Compounds | USP | No dark brown color should develop | Pass |
| UV Absorbance 260-350nm | ASTM D 2269 | Max 0.1 | 0.020 |
| Readily Carbonizable Substances, 95% H ₂ SO ₄ | ASTM D 565 | The oil should remain colorless or show a slight yellow color, and the acid will not be darker than the color produced by the standard | Pass |



These characteristics are typical of current production. For more information, please contact us or visit www.michang.co.kr.

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