

Jiangsu Khonor Chemicals Co., Limited

TECHNICAL DATA SHEET (TDS)

1. Product Identification

Parameter	Information
Product Name	Natural Phytol
CAS Number	150-86-7
Molecular Formula	C ₂₀ H ₄₀ O
Molecular Weight	296.54 g/mol
Chemical Class	Acyclic diterpene alcohol
Grade / Origin	Natural

2. Description

Phytol is an acyclic diterpene alcohol associated with chlorophyll and its degradation products. It is used in selected specialty chemical applications, including certain synthesis routes for vitamin compounds, and may be considered for fragrance or cosmetic formulations where the grade and regulatory status are suitable.

3. Typical Physical and Chemical Properties

Test Item	Specification
Appearance	Colorless to pale yellow oily liquid
Identification	Positive
Phytol Assay	≥ 95.0%
Density (20°C)	0.850–0.890 g/mL
Refractive Index (20°C)	1.450–1.480
Water Content	≤ 1.0%
Acid Value	≤ 2.0 mg KOH/g
Residual Solvents	Meets applicable limits
Related Substances	≤ 5.0%
Heavy Metals	≤ 10 ppm

4. Applications

- Vitamin synthesis: used in selected synthesis routes for vitamin E or related compounds, depending on the process.
- Cosmetics and personal care: potential ingredient for selected formulations, subject to grade suitability and applicable regulations.
- Fragrance formulations: may be used in selected compositions, subject to formulation and regulatory requirements.
- Specialty chemical research: used as a chemical building block or research material.

5. Handling, Packaging and Storage

Packaging: to be confirmed with the supplier according to order size and compatibility requirements. Store in tightly closed, compatible containers in a cool, dry, well-ventilated place, protected from direct sunlight and excessive heat. Follow the supplier's SDS for detailed handling and storage instructions.

6. Shelf Life

24 months when properly stored.