

SPECIFICATION

Product Name: Tween 80 Food Grade
Chemical Formula: C ₆₄ H ₁₂₄ O ₂₆
CAS Number: 9005-65-6
Molecular Weight: 1310 g/mol
Appearance: Yellow to yellow – green viscous liquid
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Saponification value	-	48	45 – 55
Hydroxyl value	-	75	65 – 80
Acid Value	-	1.7	Max. 2.0
Heavy metals (pb)	PPM	5 PPM	Max. 10 PPM
Moisture	%	2.63	3.0
pH (5% Aq. Sol.)	-	7.10	5.5 – 7.5

Physical Properties

- Solubility: Soluble in water. Soluble in ethanol. Soluble in methanol. Soluble in acetone. Insoluble in ether.

Shelf Life & Storage

- Shelf Life: 4 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a tightly closed container in a cool, dry, and well-ventilated place, protected from moisture, heat, light, and contamination.

Applications

- Use: Widely used in food, beverage, pharmaceutical, nutraceutical, cosmetic, and personal care formulations.

-Dosage: Depends on Type of formulation, Amount of oil or hydrophobic ingredients, Desired emulsification and stability, Regulatory limits, Manufacturing process.

Packaging

- Standard Packing: 25 Liter HDPE Drum or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.
- * Specifications are based on the manufacturer's provided specifications.

