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# Tween 80

## Introduction

The basic chemical composition of Tween series products is a polyoxyethylene sorbitan fatty acid ester. Soluble in water, ethanol, propanol, and other solvents, can be dispersed in mineral oil. HLB 14.9-16.9, varies with the combined fatty acids. It is a hydrophilic, oil-in-water (O/W) nonionic surfactant with good thermal and hydrolytic stability. Tween series products are widely used in food, cosmetics, medicine, textile, and chemical industries as emulsifiers, stabilizers, and solubilizers.

## Specifications

CAS 9005-65-6

Polysorbate 80, Sorbitan monooleate, ethoxylated

## Index

Test items	Index value
Acid value (as KOH)/(mg/g) ≤	2
Saponification value (in KOH)/(mg/g)	45 — 55
Hydroxyl value (as KOH)/(mg/g)	65 — 80
moisture, w/ % ≤	3
burning residue, w/ % ≤	0.25
Arsenic (As)/(mg/kg) ≤	3
Lead (pb)/(mg/kg) ≤	2

The information and statement herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility, Users should undertake sufficient verification and testing to determine the suitable for their own particular purpose of any information or products referred to herein. No warranty of fitness for a particular purpose is made.



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Oxyethylene group (as C <sub>2</sub> H <sub>4</sub> O), w/%	65.0—69.5
Appearance	Light yellow, oily substance at room temperature

## Package

25Kgs net food plastic drum or 200 Kg aluminum drum.

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