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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 ) $\leq$	2
Saponification value (in KOH)/( mg/g )	45 — 55
Hydroxyl value (as KOH)/( mg/g )	65 — 80
moisture, w/ % $\leq$	3
burning residue, w/ % $\leq$	0.25
Arsenic ( As )/(mg/kg) $\leq$	3
Lead (pb)/(mg/kg) $\leq$	2

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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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