

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-15 09:51:08  
Date of Next Testing: 2029-10-14 09:51:08  
Product Name: **Tween 80**  
CAS Number: 9005-65-6  
Specifications & Purity: viscous liquid  
Lot #: L2123286  
SKU #: **T104865**  
Version: **1**  
Analysis #: **586684**  
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Acid Value	0-2 (mgKOH/g)	0.24 mgKOH/g
Hydroxy Value	65-80 (mgKOH/g)	69.36 mgKOH/g
Saponification value	45-55 (mgKOH/g)	45.13 mgKOH/g
PH(1% in Water)	5.5-7.2	6.13
Water by Karl Fischer	0-3 (%)	2.50 %
Fatty Acid Composition(As Oleic Acid)	≥58 (%)	59.00 %
Brookfield Viscosity(c = Neat at 25°C)	400-620 (mm <sup>2</sup> /s)	442.36000 mm <sup>2</sup> /s
Appearance (T104865)	Yellow to Yellow with a Green Cast Viscous Liquid	Yellow to Yellow with a Green Cast Viscous Liquid
Residues	Primarily Linoleic,Linolenic and Palmitic Acids	Primarily Linoleic,Linolenic and Palmitic Acids
Solubility in H <sub>2</sub> O , Faint Yellow ;Clear to Slightly Hazy;c = 1ml/10ml	pass	Pass



John Su  
QA & QC Manager