

## Certificate of Analysis

Date of Testing: 2023-01-28 16:36:58  
Date of Next Testing: 2027-01-27 16:36:58  
Product Name: **Tween 80**  
CAS Number: 9005-65-6  
Specifications & Purity: viscous liquid  
Lot #: A2312251  
SKU #: **T104865**  
**Analysis:** **172157**  
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Acid Value	0-2 (mgKOH/g)	0.30 mgKOH/g
Hydroxy Value	65-80 (mgKOH/g)	70.00 mgKOH/g
Saponification value	45-55 (mgKOH/g)	47.00 mgKOH/g
Water by Karl Fischer	0-3 (%)	2.60%
Brookfield Viscosity(c = Neat at 25°C)	400-620 (cP)	446.00 cP
Fatty Acid Composition(As Oleic Acid)	≥58 (%)	76.90%
PH(1% in Water)	5.5-7.2	5.75
Residues	Primarily Linoleic,Linolenic and Palmitic Acids	Primarily Linoleic,Linolenic and Palmitic Acids
Solubility in H2O , Faint Yellow ;Clear to Slightly Hazy;c = 1ml/10ml	pass	Pass
Appearance (T104865)	Yellow to Yellow with a Green Cast Viscous Liquid	Yellow to Yellow with a Green Cast Viscous Liquid



John Su  
QA & QC Manager