

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-24 16:24:24  
Date of Next Testing: 2028-06-23 16:24:24  
Product Name: **Tween 80**  
CAS Number: 9005-65-6  
Specifications & Purity: viscous liquid  
Lot #: F2419274  
SKU #: **T104865**  
Version: **0**  
Analysis #: **364971**  
Storage Temperature: Protected from light

| Parameter   | Limit Values                                       | Result   |
|---|--|--|
| Acid Value  | 0-2 (mgKOH/g)                                      | 0.40 mgKOH/g                                       |
| Hydroxy Value   | 65-80 (mgKOH/g)                                    | 73.00 mgKOH/g                                      |
| Saponification value  | 45-55 (mgKOH/g)                                    | 46.00 mgKOH/g                                      |
| Water by Karl Fischer   | 0-3 (%)  | 2.50 %   |
| Brookfield Viscosity(c = Neat at 25°C)  | 400-620 (cP)                                       | 440.00 cP  |
| Fatty Acid Composition(As Oleic Acid)   | ≥58 (%)  | 77.60 %  |
| PH(1% in Water)   | 5.5-7.2  | 5.60   |
| Appearance (T104865)  | Yellow to Yellow with a Green Cast                 | Yellow to Yellow with a Green Cast                 |
| Residues  | Viscous Liquid                                     | Viscous Liquid                                     |
|   | Primarily Linoleic,Linolenic and<br>Palmitic Acids | Primarily Linoleic,Linolenic and<br>Palmitic Acids |
| Solubility in H <sub>2</sub> O , Faint Yellow ;Clear to<br>Slightly Hazy;c = 1ml/10ml | pass   | Pass   |



John Su  
QA & QC Manager