

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-13 13:14:34
Date of Next Testing: 2026-07-12 13:14:34
Product Name: **Tween 80**
CAS Number: 9005-65-6
Specifications & Purity: pharmaceutical
Lot #: G2205383
SKU #: **T104866**
Analysis: **107739**
Storage Temperature: Protected from light

| Parameter | Limit Values | Result |
|-------------------------------------|------------------------------|---------------------------|
| Water by Karl Fischer | 0-3 (%) | 2.53 % |
| Acid Value | 0-2.2 (mg/g) | 0.70 mg/g |
| Heavy metal (as Pb) | 0-0.001 (%) | 0.00 % |
| viscosity | 350-550 (mm ² /s) | 438.60 mm ² /s |
| Hydroxyl value | 65-80 (mgKOH/g) | 75.60 mgKOH/g |
| Iodine value (I ₂ /100g) | 18-24 | 20.60 |
| Saponification value | 45-55 (mgKOH/g) | 46.40 mgKOH/g |
| Density (20°C) | 1.06-1.09 (g/ml) | 1.06 g/ml |
| PH | 5-8 | 5.50 |
| Ignition Residue (as sulfate) | 0-0.2 (%) | 0.15 % |
| Color | pass | Pass |
| Freezing test | pass | Pass |
| Identification | pass | Pass |



John Su
QA & QC Manager