

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-07 14:55:27
Date of Next Testing: 2026-11-06 14:55:27
Product Name: **Tween 80**
CAS Number: 9005-65-6
Specifications & Purity: pharmaceutical
Lot #: J2229713
SKU #: **T104866**
Analysis: 148422
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Water by Karl Fischer	0-3 (%)	2.70 %
Acid Value	0-2.2 (mg/g)	0.40 mg/g
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
viscosity	350-550 (mm ² /s)	439.00 mm ² /s
Ignition Residue (as sulfate)	0-0.2 (%)	0.11 %
Hydroxyl value	65-80 (mgKOH/g)	75.00 mgKOH/g
Iodine value (I ₂ /100g)	18-24	19.90
Saponification value	45-55 (mgKOH/g)	46.00 mgKOH/g
PH	5-8	5.86
Density (20°C)	1.06-1.09 (g/ml)	1.07 g/ml
Color	pass	Pass
Freezing test	pass	Pass
Identification	pass	Pass



John Su
QA & QC Manager