

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-27 10:52:07
Date of Next Testing: 2028-08-26 10:52:07
Product Name: **Tween 80**
CAS Number: 9005-65-6
Specifications & Purity: pharmaceutical
Lot #: H2409053
SKU #: **T104866**
Version: **2**
Analysis #: **388941**
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Water by Karl Fischer	0-3 (%)	2.68 %
Acid Value	0-2.2 (mg/g)	0.60 mg/g
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
viscosity	350-550 (mm ² /s)	432.40 mm ² /s
Hydroxyl value	65-80 (mgKOH/g)	71.50 mgKOH/g
Iodine value (I ₂ /100g)	18-24	21.00
Saponification value	45-55 (mgKOH/g)	45.60 mgKOH/g
PH	5-8	6.20
Ignition Residue (as sulfate)	0-0.2 (%)	0.20 %
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