

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-21 14:59:43
 Date of Next Testing: 2028-09-20 14:59:43
 Product Name: **Tween 80**
 CAS Number: 9005-65-6
 Specifications & Purity: pharmaceutical grade, PharmPure™
 Lot #: I2418226
 SKU #: **T104866**
 Version: **3**
 Analysis #: **399466**
 Storage Temperature: Protected from light, Room temperature, Cool

Parameter	Limit Values	Result
Water by Karl Fischer	0-3 (%)	2.68000 %
Acid Value	0-2.2 (mg/g)	0.60000 mg/g
Heavy metal (as Pb)	0-0.001 (%)	0.00000 %
viscosity	350-550 (mm ² /s)	432.40000 mm ² /s
Hydroxyl value	65-80 (mgKOH/g)	71.50000 mgKOH/g
Iodine value (I ₂ /100g)	18-24	21.00000
Saponification value	45-55 (mgKOH/g)	45.60000 mgKOH/g
pH	5-8	6.20000
Density (20°C)	1.06-1.09 (g/ml)	1.07600 g/ml
Ignition Residue (as sulfate)	0-0.2 (%)	0.20000 %
Color	pass	Pass
Freezing test	pass	Pass
Identification	pass	Pass



John Su
QA & QC Manager