

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-21 16:42:25
Date of Next Testing: 2028-10-20 16:42:25
Product Name: **Tween™ 60**
CAS Number: 9005-67-8
Specifications & Purity: nonionic detergent
Lot #: L2010092
SKU #: **T112750**
Version: **0**
Analysis #: **424197**

Parameter	Limit Values	Result
Water by Karl Fischer	0-3 (%)	1.30 %
Saponification value	45-55 (mgKOH/g)	45.20 mgKOH/g
loss on Ignition	0-0.25 (%)	0.12 %
Palmitic Acid	≥35 (%)	35.00 %
Acid Value	0-2 (mgKOH/g)	0.72 mgKOH/g
Hydroxy Value	81-96 (mgKOH/g)	82.60 mgKOH/g
Stearic acid	≥47 (%)	47.00 %
Appearance (T112750)	White to Yellow, Yellow-Green Liquid or Semi-solid	White to Yellow, Yellow-Green Liquid or Semi-solid
Solubility in H ₂ O , Colorless to Yellow-Green, Clear to Hazy, 100mg/ml	pass	Pass



John Su
QA & QC Manager