

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-03-28 11:19:38
Date of Next Testing: 2027-03-28 11:19:38
Product Name: **TWEEN® 20**
CAS Number: 9005-64-5
Specifications & Purity: Suitable for molecular biology, viscous liquids
Lot #: C2425038
SKU #: **T434505**
Analysis: **337569**

Parameter	Limit Values	Result
Hydroxy Value	96-108 (mgKOH/g)	99.80 mgKOH/g
Saponification value	40-50 (mgKOH/g)	42.10 mgKOH/g
Acid Value	0-2.2 (mgKOH/g)	0.80 mgKOH/g
Appearance(T434505)	Light Green-Yellow to Green-Yellow and Faint Yellow to Dark Yellow Viscous Liquid	Light Green-Yellow to Green-Yellow and Faint Yellow to Dark Yellow Viscous Liquid
Infrared spectrum	conforms to structure	Conforms to Structure
Solubility (100 mg/ml in H ₂ O) pass (Clear Colorless to Yellow)		Pass



John Su
QA & QC Manager