

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-07-28 16:40:50
 Date of Next Testing: 2029-07-27 16:40:50
 Product Name: **TWEEN® 20**
 CAS Number: 9005-64-5
 Specifications & Purity: Suitable for molecular biology, viscous liquids
 Lot #: G2618025
 SKU #: **T434505**
 Version: **4**
 Analysis #: **747426**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Hydroxy Value	96-108 (mgKOH/g)	101.20000 mgKOH/g
Saponification value	40-50 (mgKOH/g)	43.47000 mgKOH/g
Acid Value	0-2.2 (mgKOH/g)	0.58000 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