

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2025-04-15 10:42:56

Date of Next Testing: 2028-04-14 10:42:56

Product Name: **TWEEN® 20**

CAS Number: 9005-64-5

Specifications & Purity: for molecular biology, viscous liquids

Lot #: D2510081

SKU #: **V32323**

Version: **0**

Analysis #: **501150**

Storage Temperature: Room temperature

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
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility (100 mg/ml in H ₂ O) pass (Clear Colorless to Yellow)		Pass
Appearance(V32323)	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

Quality Assurance : Xiaoyong Tan
Quality Control : Yunfei Zhu

