

Shanghai Aladdin Biochemical Technology Co., LTD
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Certificate of Analysis

Date of Testing: 2026-07-07 08:51:33
Date of Next Testing: 2030-07-06 08:51:33
Product Name: **TWEEN® 20**
CAS Number: 9005-64-5
Specifications & Purity: viscous liquid
Lot #: F2629161
SKU #: **T104863**
Version: **1**
Analysis #: **713613**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	0-3 (%)	2.81970 %
Acid Value	0-2.2 (mg/g)	0.58000 mg/g
Viscosity(25 °C, neat)	275-480 (cP)	423.00000 cP
Saponification value	40-50 (mg/g)	43.47000 mg/g
Density (25°C)	1.08-1.12	1.10370
Residual Ethylene	0-1 (ppm)	0.95000 ppm
Hydroxy Value	96-108 (mgKOH/g)	101.20000 mgKOH/g
Dioxane Content	0-10 (ppm)	10.00000 ppm
Appearance (T104863)	Yellow oily liquid	Yellow oily liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

