

# Certificate of Analysis

## 吐温 20

99%生物技术级

**Product Number:** ML50181  
**Batch Number:** MHJ06151HN  
**CAS Number:** 9005-64-5  
**Quality Release Date:** 12/Jun./2025  
**Recommended Retest Date:** 11/Jun./2028  
**Storage At:** 室温

摩莱化学

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Test	Specification	Result
APPEARANCE	Pale yellow or yellow viscous oily liquid	Conforms
Acid Value	≤2.0	0.4
Saponification Value(mgKOH/g)	40~50	46.5
Hydroxyl Value(mg KOH/g)	96~108	103.2
Water(w%)	≤3.0	2.3
Residue on Ignition(w%)	≤0.25	0.13
Lead(mg/kg)	≤2	<2
Oxyethylene(w%)	70.0-74.0	72.0
Relative density	1.09~1.12	1.10
Viscosity(mm/s ,25℃)	250~400	339.5
PH value(5% in water)	4.0~7.5	6.5
Peroxide value	≤10	1.0
PURITY	≥99%	99.5%

Zhenbang Lou, Manager

Quality Control

Beijing, China