

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-30 18:05:48

Date of Next Testing: 2029-12-29 18:05:48

Product Name: **Span 20**

CAS Number: 1338-39-2

Specifications & Purity: non-ionic

Lot #: L2519019

SKU #: **S102859**Version: **0**Analysis #: **207691**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	0-1.5 (%)	0.28100 %
Refractive index n ₂₀ /D	1.473-1.476	1.47500
Acid Value	≤8 (mgKOH/g)	2.88000 mgKOH/g
Heavy metals	0-0.001 (%)	0.00036 %
Saponification value	160-175 (mgKOH/g)	171.45000 mgKOH/g
Ignition Residue (as sulfate)	0-0.5 (%)	0.28000 %
Hydroxy Value	330-360 (mgKOH/g)	354.70000 mgKOH/g
Appearance (S102859)	Yellow to Yellow-Green Liquid	Yellow to Yellow-Green Liquid
Solubility in EtOH , Clear,no black insolubles	pass	Pass

John Su
QA & QC Manager