

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-24 16:22:22

Date of Next Testing: 2029-07-23 16:22:22

Product Name: **Span® 20**

CAS Number: 1338-39-2

Specifications & Purity: for synthesis

Lot #: G2523575

SKU #: **S1372587**

Version: **1**

Analysis #: **533907**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Acid Value	0-7 (mgKOH/g)	5.00000 mgKOH/g
Colour(Gardner)	0-8	5.20000
Iodine value(gI2/100g)	≤10.0	6.50000
Saponification value	158-170(mgKOH/g)	166.90000 mgKOH/g
Water by Karl Fischer	0-1 (%)	0.20000 %
Hydroxyl value	330-358 (mgKOH/g)	339.40000 mgKOH/g
C6:0	≤ 1 (%)	0.32500 %
C8:0	≤ 10 (%)	2.57400 %
C10:0	≤ 10 (%)	3.52800 %
C12:0	40-60 (%)	52.85000 %
C14:0	14-25 (%)	18.82500 %
C16:0	7-15 (%)	8.83000 %
C18:0	≤ 7 (%)	5.34000 %
C18:1	≤ 11 (%)	5.23000 %
C18:2	≤ 3 (%)	2.96000 %
Arsenic(As)	0-3 (ppm)	0.28500 ppm
Heavy metals	0-10 (ppm)	3.25000 ppm
Ash content total	≤0.5 (%)	0.23500 %
Peroxide value	≤5 (meqO2/kg)	0.30000 meqO2/kg
Appearance(S1372587)	Yellow or amber liquid	Yellow or amber liquid



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager