

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-03 16:59:07

Date of Next Testing: 2026-07-02 16:59:07

Product Name: **Lawesson reagent**

CAS Number: 19172-47-5

Specifications & Purity: $\geq 97\%$

Lot #: F2224058

SKU #: **L101823**

Version: **5**

Analysis #: **085702**

Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Melting point	220-226 (°C)	224.95000 °C
Purity(Iodometric Titration)	97-102.5 (%)	101.58000 %
Sulfur by Elemental Analysis	28-32 (%)	31.86000 %
Appearance (L101823)	off-white to yellow to light brown powder or solid	off-white to yellow to light brown powder or solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager