

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-23 13:48:20

Date of Next Testing: 2024-11-12 13:48:20

Product Name: **Rubrene**

CAS Number: 517-51-1

Specifications & Purity: $\geq 98\%$ (HPLC)

Lot #: K2217233

SKU #: **R115353**

Version: **0**

Analysis #: **053202**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Extinction Coefficient(c = 0.005g/l, Heptane) (221 - 227 nm)	≥ 35000	47274.46250
Extinction Coefficient(c = 0.005g/l, Heptane) (485 - 491 nm)	≥ 9000	12761.88340
Purity(HPLC)	98-100 (%)	99.14300 %
Extinction Coefficient(c = 0.005g/l, Heptane) (520 - 526 nm)	≥ 9000	13094.80430
Extinction Coefficient(c = 0.005g/l, Heptane) (457 - 463 nm)	≥ 5000	6658.37500
Carbon by Elemental Analysis	93.3-96.1 (%)	95.10000 %
Extinction Coefficient(c = 0.005g/l, Heptane) (296 - 302 nm)	≥ 95000	126398.15200
Appearance (R115353)	Orange to Very Dark Red powder or crystals	Orange to Very Dark Red powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



QualityAssurance@aladdinsci.com

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

John Su
QA & QC Manager