

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-30 09:25:09  
Date of Next Testing: 2028-11-29 09:25:09  
Product Name: **N,N'-Dimethyl-9,9'-biacridinium dinitrate**  
CAS Number: 2315-97-1  
Specifications & Purity: chemiluminescent reagent grade  
Lot #: K2422405  
SKU #: **D121464**  
Version: **1**  
Analysis #: **431047**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Extinction Coefficient(H <sub>2</sub> O,368.0 - 369.0 nm)	≥33000	37809.65
Extinction Coefficient(H <sub>2</sub> O,260.0 - 261.0 nm)	≥150000	155865.08
Purity(HPLC)	97-100 (%)	99.60700 %
Appearance (D121464)	Yellow to Orange to Brown Powder	Yellow to Orange to Brown Powder
Solubility, Yellow, Clear to Hazy, C=40mg/4ml, Acetic Acid	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager