

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-29 11:16:39
 Date of Next Testing: 2025-08-28 11:16:39
 Product Name: **1,1'-Diethyl-4,4'-cyanine iodide**
 CAS Number: 4727-49-5
 Specifications & Purity: $\geq 98\%$
 Lot #: H2223313
 SKU #: **D346785**
 Version: **1**
 Analysis #: **119523**
 Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	58.7 - 62.9 (%)	60.10000 %
Nitrogen by Elemental Analysis	5.9 - 6.4 (%)	5.90000 %
Appearance(D346785)	Green to Very Dark Green Powder or Crystals	Green to very dark green powder or crystals
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager