

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-10 11:34:01
 Date of Next Testing: 2025-06-29 11:34:01
 Product Name: **4-(Dicyanomethylene)-2-methyl-6-(4-dimethylaminostyryl)-4H-pyran**
 CAS Number: 51325-91-8
 Specifications & Purity: 95%
 Lot #: J2114277
 SKU #: **D121603**
Analysis: 249193
 Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|---|---------------------------------------|---------------------------------------|
| Oxygen | 4.5-5.8 (%) | 4.68 % |
| Carbon by Elemental Analysis | 71-75.7 (%) | 75.66 % |
| Extinction Coefficient(C=0.01 G/L EtOH)(465 - 471 nm) | ≥39000 | 46597.93 |
| Melting point | 217-223 (°C) | 222.92000 °C |
| Purity(HPLC) | 95-100 (%) | 96.17700 % |
| Nitrogen by Elemental Analysis | 12.6-14.3 (%) | 13.91 % |
| Appearance (D121603) | Dark Red to Purple Powder or Crystals | Dark Red to Purple Powder or Crystals |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager