

Certificate of Analysis

Date of Testing: 2023-01-07 13:09:00
Date of Next Testing: 2025-01-06 13:09:00
Product Name: **Dansyl Chloride**
CAS Number: 605-65-2
Specifications & Purity: $\geq 98.0\%$ (HPLC)
Lot #: A2303193
SKU #: **D133513**
Analysis: 159833
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

| Parameter | Limit Values | Result |
|---|--------------------------------|--------------------------------|
| Purity(Nonaqueous Titration) | 98-100 (%) | 99.36 % |
| Nitrogen by Elemental Analysis | 4.6-5.5 (%) | 5.14 % |
| Carbon by Elemental Analysis | 51.9-54.4 (%) | 52.63 % |
| Melting point | 68-75 (°C) | 71.24000 °C |
| Purity(HPLC) | 98-100 (%) | 99.90800 % |
| Appearance (D133513) | Yellow to Yellow-Orange Powder | Yellow to Yellow-Orange Powder |
| Solubility in Acetone , Yellow to deep orange, clear to hazy, 20mg/mL | pass | Pass |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager