

## Certificate of Analysis

Date of Testing: 2023-03-19 16:04:30  
Date of Next Testing: 2025-03-18 16:04:30  
Product Name: **Dansyl Chloride**  
CAS Number: 605-65-2  
Specifications & Purity:  $\geq 98.0\%$ (HPLC)  
Lot #: C2315277  
SKU #: **D133513**  
**Analysis:** **191989**  
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

| Parameter   | Limit Values                   | Result                         |
|---|--------------------------------|--------------------------------|
| Purity(Nonaqueous Titration)  | 98-100 (%)                     | 99.56 %                        |
| Nitrogen by Elemental Analysis  | 4.6-5.5 (%)                    | 4.92 %                         |
| Carbon by Elemental Analysis  | 51.9-54.4 (%)                  | 52.85 %                        |
| Melting point   | 68-75 (°C)                     | 74.28000 °C                    |
| Purity(HPLC)  | 98-100 (%)                     | 99.60700 %                     |
| 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