



*The Power to Question*

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-207030  
Lot Number: SAMPLE  
Product Name: 5-Fluoroindole-3-carboxaldehyde  
CAS Number: 2338-71-8  
Molecular Formula:  $C_9H_6FNO$   
Molecular Weight: 163.15

| Test                               | Result                                       |
|------------------------------------|----------------------------------------------|
| Appearance                         | Yellowish to off-white crystalline powder    |
| Identification (1H-NMR)            | Consistent with structure                    |
| Identification (Infrared Spectrum) | Consistent with structure                    |
| Purity (HPLC)                      | 99.51%                                       |
| Melting Point                      | 163.1 - 163.8 °C                             |
| Residue on Ignition                | 0.06%                                        |
| Loss on Drying                     | 0.27%                                        |
| Single Impurity                    | Largest single unspecified impurity: < 0.50% |
| Total Impurities                   | 0.49%                                        |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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