

## Certificate of Analysis

Date of Testing: 2025-08-21 15:28:14  
Date of Next Testing: 2027-08-21 15:28:14  
Product Name: **Calcein, AM**  
CAS Number: 148504-34-1  
Specifications & Purity: for fluorescence analysis,  $\geq 96\%$ (HPLC)  
Lot #: H2520003  
SKU #: **C131116**  
Version: **0**  
Analysis #: **547321**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	96-100 (%)	98.32000 %
Appearance (C131116)	Colorless to Off white to Yellow Film,Oil,Paste or Solid	Colorless to Off white to Yellow Film,Oil,Paste or Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Fluorescence, $\lambda_{\text{ex}}496\text{nm}$ ; $\lambda_{\text{em}}516\text{nm}$ in 0.1M Tris pH8.0,esterase,Ca	Conforms	Conforms
Solubility in DMSO , Colorless to Light Yellow Clear(1mg/0.1ml)	Conforms	Conforms



John Su  
QA & QC Manager