

## Certificate of Analysis

Date of Testing: 2023-07-07 17:14:22  
Date of Next Testing: 2025-07-06 17:14:22  
Product Name: **Calcein, AM**  
CAS Number: 148504-34-1  
Specifications & Purity:  $\geq 96.0\%$  (HPLC), suitable for fluorescence  
Lot #: I2116116  
SKU #: **C131116**  
**Analysis:** **248710**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	96-100 (%)	98.31800 %
Appearance (C131116)	Colorless to Off white to Yellow Film, Oil, Paste or Solid	Colorless to Off white to Yellow Film, Oil, Paste or Solid
Fluorescence, $\lambda_{\text{ex}} 496\text{nm}$ ; $\lambda_{\text{em}} 516\text{nm}$ in 0.1M Tris pH8.0, esterase, Ca	Conforms	Conforms
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in DMSO , Colorless to Light Yellow	Conforms	Conforms
Clear(1mg/0.1ml)		



John Su  
QA & QC Manager