

## Certificate of Analysis

Date of Testing: 2023-09-26 16:55:25  
Date of Next Testing: 2025-09-25 16:55:25  
Product Name: **Calcein, AM**  
CAS Number: 148504-34-1  
Specifications & Purity:  $\geq 96.0\%$  (HPLC),for fluorescenceAnalysis  
Lot #: I2321025  
SKU #: **C131116**  
**Analysis:** **120634**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ ,Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	96-100 (%)	98.32000 %
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	Conforms	Conforms
Clear(1mg/0.1ml)		
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (C131116)	Colorless to Off white to Yellow Film,Oil,Paste or Solid	Colorless to Off white to Yellow Film,Oil,Paste or Solid



John Su  
QA & QC Manager