

| Certificate of Analysis (C of A) | | | | | |
|-------------------------------------|--|---|--|--|--|
| Name: | | Calcein, AM | | | |
| Catalog Number: | | 7077 | Lot: | | 50366 |
| CAS Number: | | 148504-34-1 | Formula: | | C ₄₆ H ₄₆ N ₂ O ₂₃ |
| Molecular Weight: | | 994.87 (g/mol) | Appearance: | | White Solid |
| | | | | | |
| | | Observed | Standard | | |
| HPLC Purity: | | 94% at 254 nm | ≥ 80% at 254 nm | | |
| | | | | | |
| Absorption (Methanol) | | | | | |
| Wavelength (λ _{max}): | | 283 nm | 283 ± 3 nm | | |
| Extinction: | | 5,100 cm ⁻¹ M ⁻¹ | 5,500 ± 500 cm ⁻¹ M ⁻¹ | | |
| TLC Purity: | | > 98% | ≥ 80% | | |
| TLC System: | | 60:40 Ethyl acetate / Hexane | | | |
| Storage: | | Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L) | | | |
| Production Lot: | | 14643 | Release: | | 06-Apr-2020 |
| | | | Expiration: | | 02-Dec-2024 |
| Structure: | | | | | |

This data reflects the accuracy of the analysis of the subject lot
 For research use only. Not for human use. No animal source.
 This material is chemically synthesized and manufactured in the USA

Approved by: Dianna M Wineinger
 Analytical Services Manager

Date: 06-Apr-2020

Signature: 