

MOLECULAR PROBES®

CERTIFICATE OF ANALYSIS

Catalog Number P11202
Product Name Pacific Green™ succinimidyl ester *triethylammonium salt*
Appearance yellow solid
Lot Number 1756279

| | LOT DATA | SPECIFICATION |
|----------------------------------|--|---|
| Absorption | | |
| Maximum Extinction | 412 nm 35000 cm ⁻¹ M ⁻¹ | 411 ± 3 nm 31000 ± 4000 cm ⁻¹ M ⁻¹ |
| Fluorescence | | |
| Emission Maximum | 500 nm | 500 ± 4 nm |
| HPLC¹ | | |
| Purity | 93 % at 375 nm | ≥ 80 % at 375 nm |
| NMR | | |
| Result | meets specification | consistent with structure |
| Miscellaneous Information | | |
| Material Lot Number | 1303409 | n.a. |

1. Method: Derivatized with n-butylamine. Purity value represents total reactive dye content.

Rachel Smith, Ph.D., Quality Assurance

23-Nov-2015

Life Technologies Corporation, on behalf of its Invitrogen business, Molecular Probes® labeling and detection technologies, certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.