# Planta Analytica

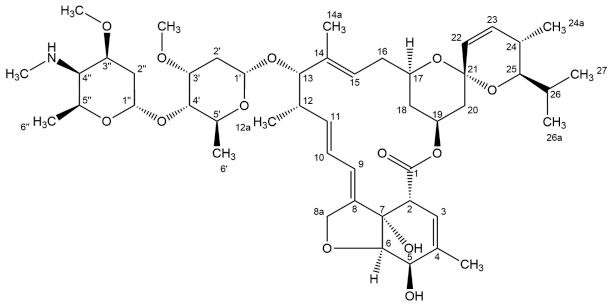
Reference Standard Certificate of Analysis | PA-STDCOA-2026-018

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## COMPOUND INFORMATION

| | |
|---|---|
| Compound Name | Emamectin B1b |
| CAS Number | 121424-52-0 |
| Mol. Formula | C48H73NO13 |
| Mol. Weight | 872.100 g/mol |
| Lot Number | 059-043-001 |
| Catalog # | 9673 |
| Appearance | Pale yellow powder |
| Solubility | Soluble in methanol |

## COMPOUND STRUCTURE



## COA DETAILS

| | |
|---|---|
| COA Number | PA-STDCOA-2026-018 |
| Issue Date | Aug 19, 2026 |
| Retest Date | Aug 14, 2028 |
| Storage | -20°C, protected from light |

## ANALYTICAL RESULTS

| TEST / PARAMETER | METHOD | SPECIFICATION | RESULT | P/F |
|---|---|---|---|---|
| HPLC-UV | 245 nm | ≥ 95.0 % | 96.4% | Pass |
| MS | ESI-Pos | 872.100 g/mol | 872.8 [M+H]+ | Pass |
| $^1$H-NMR | NMR | Conforms | Conforms | Pass |
| Absolute Purity | Calculated | | 96.40% | — |

**CERTIFIED BY**

**Dylan McAllister**
Scientist II
*Electronically signed*
*August 19, 2026 at 09:15 AM EDT*

**RELEASED BY**

**Bianca Silverman**
Senior Scientist
*Electronically signed*
*August 19, 2026 at 09:20 AM EDT*

**VERIFY**

Scan to confirm authenticity

*Planta Analytica, Inc. certifies that this reference material meets the specifications stated in this certificate until the expiration date, provided it is stored unopened at the recommended conditions. All analytical data is prepared and stored following GLP guidelines.*

### INTENDED USE

This reference material is intended for laboratory use in analytical applications and as a quality control standard.

### SAFETY

Proper precautions should be observed while handling, as defined in the Materials Safety Data Sheet (MSDS).

### STORAGE

The product should be stored in the original packaging, sealed, and in the conditions indicated in this certificate.