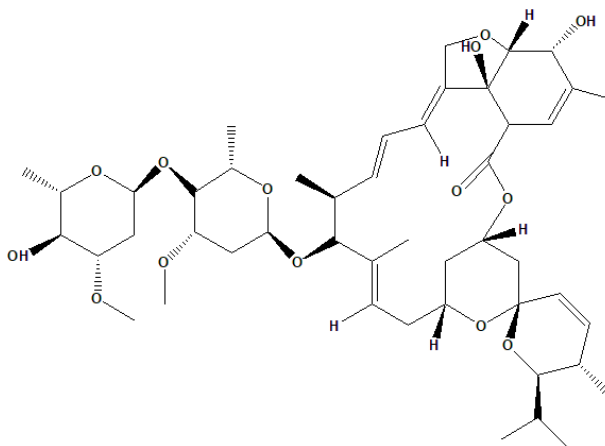


## Certificate of Analysis



<b>PRODUCT</b>	<b>Avermectin B1b</b>
<b>BATCH #</b>	PA-035-097-001
<b>ASSAY METHOD</b>	HPLC, <sup>1</sup> HNMR
<b>REPORT DATE</b>	2019-05-21
<b>CHEMICAL NAME</b>	NA
<b>OTHER NAMES</b>	NA
<b>CHEMICAL FORMULA</b>	C <sub>47</sub> H <sub>70</sub> O <sub>14</sub>
<b>MOLECULAR WEIGHT</b>	859.063 g/mol
<b>CAS REG. #</b>	65195-56-4
<b>STORAGE</b>	<-5 degrees C; dark
<b>EXPIRATION DATE</b>	2021-05-22
<b>NOTES</b>	NA

### Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC	254 nm	>95%	97.2%
<sup>1</sup> H-NMR		Conforms	Conforms
Appearance	Crystalline, white		

Signed: Jan Glinski, Ph.D.  
 Planta Analytica LLC  
 May 21, 2019

