



CERTIFICATE OF ANALYSIS

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1. Identification

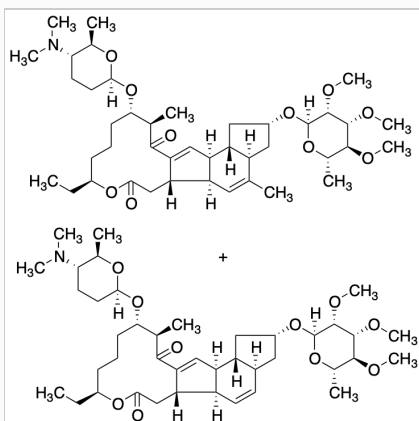
Catalogue Number: S681920

CAS Number: 168316-95-8

Product: Spinosad

Synonym: Blackhawk; Comfortis; Conserve; Entrust; Entrust WP; Extinosad; GF 120; GF 120 Fruit Fly Bait; GF 120 NF Naturalyte; GF 120 Naturalyte Fruit Fly Bait; GF 1587; Gardens Alive Bulls-Eye; LY 232105; Laser; Laser (insecticide); Naturalure; Naturalure Fruit Fly Bait; Naturalyte; PP 105; SpinTor; Spinoace; Spinosad 45% SC; Spinosad 45SC; Spinosad NT; Spinosyn A-spinosyn D mixt.; Success; Success 4; Success Naturalyte; Tracer; Tracer Naturalyte; Tracer Naturalyte Insect Control;

Structure:



Molecular Formula:

$C_{42}H_{67}NO_{10} + C_{41}H_{65}NO_{10}$

Molecular weight:

746.00+731.97

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 1-TAH-13-1

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Off-White to Pale Brown Solid	Off-White to Pale Beige Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	98.66% (ELSD)
MS	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Sadaf Samadi	12/22/2023	12/20/2027
				