

CERTIFICATE of ANALYSIS

PRODUCT:	Milbemectin C ₃₁ H ₄₄ O ₇ (for milbemycin A ₃), C ₃₂ H ₄₆ O ₇ (for milbemycin A ₄); M.W. 542.3; CAS# [51596-10-2&51596-11-3]
PRODUCT NUMBER:	M-2583
LOT NUMBER:	H1289A
APPEARANCE:	White to off-white solid
SOLUBILITY:	Soluble in ethanol, methanol, DMF, or DMSO.
SOURCE:	<i>Semi-Synthetic</i>
PURITY (HPLC):	> 95%
PRODUCT DESCRIPTION:	Milbemectin is a mixture of the two most abundant milbemycin analogues, A ₃ and A ₄ , produced by <i>Streptomyces hydropiscus</i> subsp. <i>aureolarcrimosus</i> . Originally defined as a mixture of 30% milbemycin A ₃ and 70% milbemycin A ₄ , our product is specifically blended to meet this specification. Milbemectin is a highly selective and potent insecticide and acaricide used as an agri-chemical for crop protection.
STORAGE & HANDLING:	Store desiccated at -20°C CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: EV