

Certificate of Analysis

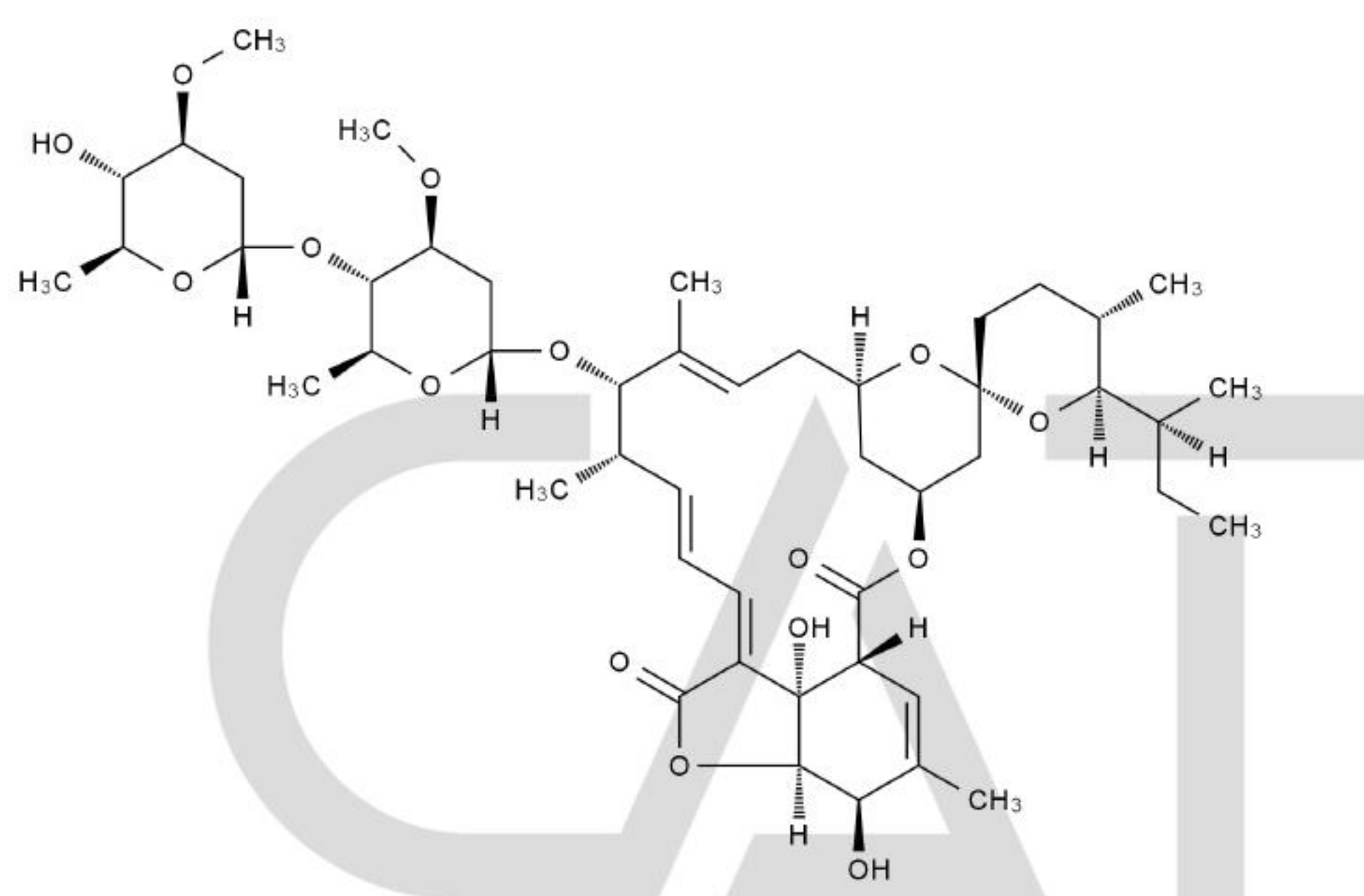
Reference Material & Standard

Product Name:	Ivermectin EP Impurity D	Catalogue Number:	C4X-19824
Synonyms:	28-Oxo Ivermectin B1a (Impurity)	Lot Number:	1124-RG-0041
CAS Number:	102190-55-6	Expiry Date:	Jun 22, 2029
Molecular Formula:	C ₄₈ H ₇₂ O ₁₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	889.08	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	HRMS&IR&HNMR	Confirmed
Purity	HPLC	96.91%
Residue on Ignition	TGA	0.00%
Loss On Drying	TGA	1.078%
Assay		95.9%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Residue on Ignition - Loss On Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Nov 27, 2025

Date: Nov 28, 2025

Date: Nov 28, 2025



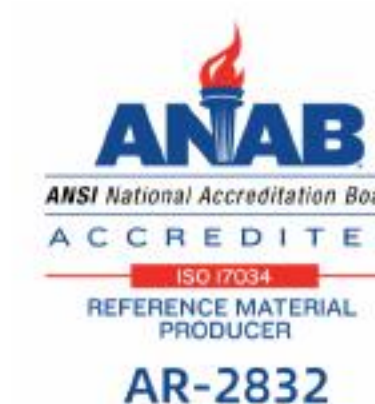
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