

Analysis Date: 14-08-2025

Re-test Date: 14-08-2028

IVERMECTIN EP IMPURITY D

Identification

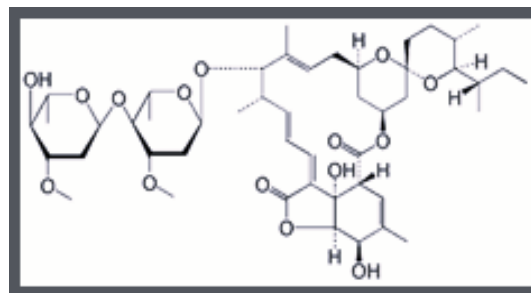
Chemical Name : 5-O-Demethyl-28-oxo-22,23-dihydroavermectin A1a

CAT No : ALL-IVE-EPD

CAS No : 102190-55-6

Molecular Formula : C₄₈H₇₂O₁₅

Molecular Weight : 889.08



Analytical Information

Batch Code	: ALL-IVE-EPD	HPLC Purity	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 96.36%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.791%	¹H NMR	: Confirm
Residue Of Ignition	: 0.874%		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (0.791+0.874) × 98.00]/100 = 96.36%

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, 1H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office