



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name: Lotilaner

Product Information

Product Number LOT-20260220
Batch Number LOT-SH2026022001
Brand SIGALD
CAS Number 874082-80-5
MDL Number MFCD22456878
Formula $C_{27}H_{22}ClF_7N_4O_2S$
Formula Weight 645.00 g/mol
Quality Release Date 20 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection
Assay (Lotilaner)	≥ 98.5%	99.3%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	≤ 0.5%	0.11%	%	105°C, 2 hours
Residue on Ignition	≤ 0.1%	0.003%	%	600±25°C Ignition Method
Heavy Metals (Pb)	≤ 2 ppm	0.02 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.004 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Substances	≤ 1.0%	0.10%	%	High Performance Liquid Chromatography (HPLC)
Melting Point	158-163°C	160-162°C	°C	Melting Point Apparatus
Solubility in Dimethyl sulfoxide	Freely soluble	Complies	-	Pharmacopoeia Method
Total Bacterial Count	≤ 10 CFU/g	0 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Yeast & Mold	≤ 10 CFU/g	1 CFU/g	CFU/g	Plate Count Method
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification

This batch of product has been tested in accordance with industrial standards for Lotilaner and meets all specified requirements. It is qualified for use.

Issue Date:20 FEB 2026