



NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

Certificate of Analysis (Altrenogest)

Issue Date: 26 FEB 2026 Quality Release Date: 26 FEB 2026

Product Name

Altrenogest 阿尔特雷诺杰斯特

Product Information

Product Number ALT-20260226
Batch Number ALT-SH2026022601
Brand SIGALD
CAS Number 850-52-2
MDL Number MFCD00057361
Formula $C_{19}H_{24}O_2$
Formula Weight 284.39 g/mol
Form White to off-white crystalline powder

Test Results

Test	Specification (USP 45 & Veterinary Pharmaceutical Standard)	Result	Unit	Test Method
Appearance (Color/Form)	White to off-white crystalline powder, no caking	Conforms	-	Visual Inspection (25°C)
Melting Point	140 ~ 146°C	143.2°C	°C	Capillary Melting Point Method
Purity (HPLC)	≥ 99.0%	99.6%	%	High Performance Liquid Chromatography
Related Substances (HPLC)	≤ 0.5% (total)	0.21%	%	HPLC
Loss on Drying	≤ 0.5%	0.18%	%	Gravimetric Method (105°C, 2h)
Residue on Ignition	≤ 0.1%	0.03%	%	Ignition Method (600±50°C)
Specific Rotation (25°C, CHCl ₃)	+21° ~ +27°	+24.5°	°	Polarimeter Method
Heavy Metals (Pb)	≤ 5 ppm	0.4 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.07 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Chloride Content	≤ 0.01%	0.003%	%	Volumetric Titration
Sulfate Content	≤ 0.01%	0.002%	%	Turbidimetric Method
Assay (on dry basis)	98.0 ~ 102.0%	99.8%	%	HPLC

Certification

This batch of product has been tested in accordance with the United States Pharmacopeia (USP 45) and veterinary pharmaceutical industrial standards for Altrenogest and meets all specified requirements. It is qualified for use as a core raw material for veterinary progestogen pharmaceutical preparations.