



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Item	Details
Product Name	Adrenocorticotropin Hormone (ACTH)
Product Number	ACTH-20260224
Batch Number	ACTH-SH2026022401
Brand	SIGALD
CAS Number	9002-60-2
MDL Number	MFCD00130807
Formula	Polypeptide Hormone (39 Amino Acids)
Molecular Weight	4541.9 Da
Form	Lyophilized Powder
Quality Release Date	24 FEB 2026

Test Results

Test	Specification (Biopharmaceutical Grade)	Result	Unit	Test Method
Appearance	White to off-white lyophilized powder	White lyophilized powder	-	Visual Inspection
Purity (HPLC)	≥ 95.0%	97.8%	%	High Performance Liquid Chromatography
Biological Activity	≥ 100 IU/mg	108 IU/mg	IU/mg	In Vivo Bioassay
pH Value (1mg/mL in H ₂ O, 25°C)	5.0-7.0	6.2	-	Digital pH Meter
Moisture Content (Karl Fischer)	≤ 5.0%	2.1%	%	Karl Fischer Titration
Bacterial Endotoxin	≤ 5 EU/mg	1.8 EU/mg	EU/mg	Limulus Amebocyte Lysate Test
Sterility	Negative	Negative	-	Membrane Filtration Method
Heavy Metals (Pb)	≤ 5 ppm	0.9 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Protein Content	≥ 90.0%	94.5%	%	Lowry Method
Aggregation (SEC-HPLC)	≤ 3.0%	1.2%	%	Size Exclusion Chromatography

Certification

This batch of Adrenocorticotropin Hormone (ACTH) has been tested in accordance with the established biopharmaceutical industry standards and meets all specified requirements for purity, biological activity and quality control limits. It is qualified for use in biopharmaceutical R&D, in vitro diagnostics and biological experiments.

Issue Date: 24 FEB 2026