



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

Quality Release Date: 28 FEB 2026 Issue Date: 28 FEB 2026

### Product Information

Product Name Aripiprazole  
Product Number AP-20260228  
Batch Number AP-SH2026022801  
Brand SIGALD  
CAS Number 129722-12-9  
MDL Number MFCD01631564  
Formula  $C_{23}H_{27}Cl_2N_3O_2$   
Formula Weight 448.39 g/mol  
Molecular Form Atypical Antipsychotic API (Dopamine/Serotonin Modulator)

### Test Results

Test	Specification (Pharmacopoeial Standard USP/EP/CP)	Result	Unit	Test Method
Appearance (Color)	White to off-white	Off-white	-	Visual Inspection
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection
Assay (On Anhydrous Basis)	98.0-102.0%	99.5%	%	High Performance Liquid Chromatography (HPLC)
Water Content	≤ 0.5%	0.18%	%	Karl Fischer Titration
Residue on Ignition	≤ 0.1%	0.02%	%	Ignition at 600°C±50°C
Heavy Metals (Pb)	≤ 10 ppm	1.2 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 2 ppm	0.3 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Substances (Individual)	≤ 0.3%	0.08%	%	HPLC
Related Substances (Total)	≤ 1.0%	0.29%	%	HPLC
Melting Point	139-143°C	141.2°C	°C	Capillary Melting Point Method
Solubility in Acetonitrile	Complies	Complies	-	Pharmacopoeial Method
Chloride Content	15.4-16.5%	15.9%	%	Volumetric Titration
Particle Size (D90)	≤ 100 μm	65 μm	μm	Laser Diffraction Method
Microbial Limit	Complies	Complies	-	Pharmacopoeial Microbiological Test
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

### Certification

This batch of product has been tested in accordance with USP, EP and CP pharmacopoeial standards for Aripiprazole and meets all specified requirements. It is qualified for pharmaceutical API use for research and formulation development.