



# NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.  
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## Certificate of Analysis (COA)

### - $\alpha$ -Iso-Methylionone

**Product Name:**  $\alpha$ -Iso-Methylionone

**Quality Release Date:** 15 FEB 2026

**Issue Date:** 15 FEB 2026

#### Product Information

Product Number AIM-20260215  
Batch Number AIM-SH2026021501  
Brand SIGALD  
CAS Number 127-51-5  
MDL Number MFCD00009590  
Formula  $C_{14}H_{22}O$   
Formula Weight 206.32 g/mol

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Colorless	-	Visual Inspection
Appearance (Form)	Clear liquid	Clear liquid	-	Visual Inspection
Assay (Purity)	$\geq 98.0\%$	98.7%	%	Gas Chromatography (GC)
Boiling Point	270-275 $^{\circ}C$	272.5 $^{\circ}C$	$^{\circ}C$	Distillation Method
Melting Point	-60 to -55 $^{\circ}C$	-58.2 $^{\circ}C$	$^{\circ}C$	Differential Scanning Calorimetry (DSC)
Refractive Index (20 $^{\circ}C$ )	1.490-1.498	1.495	-	Abbe Refractometer
Relative Density (20/20 $^{\circ}C$ )	0.920-0.928	0.924	g/cm $^3$	Hydrometer Method
Flash Point	$\geq 110^{\circ}C$	115 $^{\circ}C$	$^{\circ}C$	Closed Cup Method
Water Content	$\leq 0.5\%$	0.2%	%	Karl Fischer Titration
Heavy Metals (Pb)	$\leq 10$ ppm	2.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Residue on Evaporation	$\leq 0.1\%$	0.03%	%	Gravimetric Method
Odor	Characteristic floral-musky odor	Conforms	-	Sensory Evaluation

#### Certification

This batch of  $\alpha$ -Iso-Methylionone has been tested in accordance with the relevant industrial standards for fragrance and flavor raw materials and meets all specified requirements. It is qualified for use.