纳维盈医化科技
NEWAY SINOPHC TECH

NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

(Diphenyl Ether 二苯醚)
Issue Date: 20 FEB 2026**Quality Release Date**: 20 FEB 2026
Product Name
Diphenyl Ether (二苯醚)
Product Information

Product Number	DE-20260220
Batch Number	DE-SH2026022001
Brand	SIGALD
CAS Number	101-84-8
MDL Number	MFCD00003071
Formula	$C_{12}H_{10}O$
Formula Weight	170.21 g/mol
Form	Colorless to pale yellow clear liquid (room temp); crystalline solid (≤25℃)

Test Results

Test	Specification (Industrial Standard)	Result	Unit	Test Method
Appearance (Color/Form)	Colorless-pale yellow clear liquid, no impurity	Colorless clear liquid	-	Visual Inspection (25℃)
Assay (Diphenyl Ether)	≥ 99.0%	99.6%	%	Gas Chromatography (GC)
Melting Point	25 ~ 27℃	26.2℃	℃	Capillary Melting Point Apparatus
Boiling Point	257 ~ 259℃	258.5℃	℃	Distillation Method
Relative Density (25/25℃)	1.074 ~ 1.078	1.076	g/cm³	Hydrometer Method
Refractive Index (n_{20}^{D})	1.586 ~ 1.588	1.587	-	Abbe Refractometer
Water Content	≤ 0.1%	0.03%	%	Karl Fischer Titration
Residue on Ignition (Ash)	≤ 0.05%	0.02%	%	550℃ Muffle Furnace Ignition
Heavy Metals (Pb)	≤ 5 ppm	0.5 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.09 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Chromatographic Purity	≥ 99.5%	99.8%	%	High Performance Liquid Chromatography (HPLC)
Flash Point (Closed Cup)	≥ 110℃	115℃	℃	Pensky-Martens Closed Cup Tester

Certification
This batch of product has been tested in accordance with industrial grade standards for Diphenyl Ether and meets all specified requirements. It is qualified for use in organic synthesis, flavor & fragrance, chemical manufacturing and other related fields.