



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

(4-Methoxybenzaldehyde 4)

Issue Date: 20 FEB 2026 Quality Release Date: 20 FEB 2026

Product Name

4-Methoxybenzaldehyde (4 - 甲氧基苯甲醛)

Product Information

Product Number 4MOB-20260220

Batch Number 4MOB-SH2026022001

Brand SIGALD

CAS Number 123-11-5

MDL Number MFCD00003360

Formula C₈ H₈ O₂

Formula Weight 136.15 g/mol

Form Colorless to pale yellow clear liquid, characteristic anise-like aroma

Test Results

Test	Specification (Flavor & Fragrance/Industrial Standard)	Result	Unit	Test Method
Appearance (Color/Form)	Colorless to pale yellow clear liquid, no visible impurity	Pale yellow clear liquid	-	Visual Inspection (25°C)
Assay (4-Methoxybenzaldehyde)	≥ 99.0%	99.7%	%	Gas Chromatography (GC)
Refractive Index (n ₂₀ D)	1.573 ~ 1.577	1.575	-	Abbe Refractometer
Relative Density (25/25°C)	1.118 ~ 1.122	1.120	g/cm ³	Hydrometer Method
Boiling Point	246 ~ 248°C	247.3°C	°C	Distillation Method
Acid Value (as KOH)	≤ 1.0	0.3	mg KOH/g	Titration Method
Water Content	≤ 0.1%	0.02%	%	Karl Fischer Titration
Residue on Ignition	≤ 0.05%	0.01%	%	550°C Muffle Furnace Ignition
Heavy Metals (Pb)	≤ 5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.04 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Ethanol Solubility (1:3, 95% EtOH)	Clear homogeneous solution	Conforms	-	Solubility Test
Total Bacterial Count (Flavor Grade)	≤ 100 CFU/mL	15 CFU/mL	CFU/mL	Plate Count Method
E. coli (Flavor Grade)	Negative	Negative	-	Microbiological Detection

Certification

This batch of product has been tested in accordance with international flavor & fragrance and industrial grade standards for 4-Methoxybenzaldehyde and meets all specified requirements. It is qualified for use in flavor & fragrance, food, cosmetic, pharmaceutical synthesis and organic chemical manufacturing related fields.