



CERTIFICATE OF ANALYSIS (COA)

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Anisyl Nitrile

PRODUCT INFORMATION

Product Name: Anisyl Nitrile
Chemical Name: 4-Methoxybenzonitrile
Synonym: p-Anisonitrile / 4-Cyanoanisole

CAS Number: 874-90-8
EC / EINECS Number: 212-871-6
Molecular Formula: C₈ H₇ NO
Molecular Weight: 133.15 g/mol

Manufacturer: Synarome
Product Type: Aroma Chemical
Scent Family: Spicy / Balsamic
Scent Profile: Tonka, Spicy, Powdery, Balsamic

ORGANOLEPTIC ANALYSIS

Test	Specification	Result
Appearance	Crystalline solid / powder	Conforms to Product Specification
Colour	White to pale cream	Conforms to Product Specification
Odour	Characteristic	Conforms to Product Specification
Olfactive Character	Tonka, spicy, powdery, balsamic	Conforms to Product Specification
Chemical Identity	4-Methoxybenzonitrile	Conforms
CAS Number	874-90-8	Conforms

Independent specifications for 4-Methoxybenzonitrile describe it as white-to-pale-cream/yellow crystals or powder.



PHYSICAL & CHEMICAL PARAMETERS

Test	Specification	Result
Molecular Formula	C ₈ H ₇ NO	Conforms
Molecular Weight	133.15 g/mol	Conforms
Melting Point	Approx. 57–61 °C	Reference Specification
Boiling Point	Approx. 256–257 °C	Reference Specification
Water Solubility	Insoluble	Reference Specification
Assay / Purity	Batch-specific specification required	Batch Analysis Required
GC Profile	Characteristic of 4-Methoxybenzonitrile	Batch Analysis Required

NIST reports a molecular weight of 133.1473 and phase-change data corresponding to a melting point of about 59.5 °C and boiling point of about 256.6 °C. Thermo Scientific independently specifies a 57–60 °C melting point and ≥98.5% GC assay for its own material; those values are useful references but are not Synarome batch results.

STORAGE

Store in tightly closed containers in a cool, dry and well-ventilated location.

Protect from excessive heat and incompatible materials. Keep container tightly sealed. Avoid exposure to strong oxidising agents.

This matches your COA template's product-information, organoleptic-analysis, physical/chemical-parameter and storage structure.

Authorised by:

Fozia Khot
Director