



CERTIFICATE OF ANALYSIS (COA)

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Iso Butyl Quinoline

Product Identification

Parameter	Details
Product Name	Iso Butyl Quinoline
Manufacturer	International Flavors & Fragrances Inc. (IFF)
IFF IPC Number	98422
Chemical Description	8-sec-Butylquinoline (main isomer)
Trade Description	Leather
CAS Number	67634-06-4 / 65442-31-1 (commercial IFF material)
Chemical Formula	C ₁₃ H ₁₅ N
Molecular Weight	185.27 g/mol
Chemical Family	Quinoline derivative
Product Type	Aroma Chemical
Olfactive Family	Leather / Earthy / Woody

Analytical Specification

Test	Specification	Batch Result	Method
Appearance	Clear liquid	_____	Visual
Colour	Colourless to pale yellow	_____	Visual
Odour	Intense leathery, earthy, rooty, nutty	Conforms	Organoleptic
Identification	Conforms to approved reference	_____	GC-MS / FTIR
Assay	Current IFF specification	_____	GC-FID
Relative Density (20 °C)	Current IFF specification	_____	Density Meter
Refractive Index (20 °C)	Current IFF specification	_____	Refractometer
Water Content	Current IFF specification	_____	Karl Fischer
Flash Point	Current IFF specification	_____	Closed Cup
Chromatographic Profile	Conforms	_____	GC-FID



The exact numerical acceptance limits are batch-specific and should be verified against the original IFF Certificate of Analysis.

Physical Properties

Property	Typical Value
Molecular Formula	C ₁₃ H ₁₅ N
Molecular Weight	185.27 g/mol
Vapour Pressure (23 °C)	0.002093 mmHg
Log P	4.2
Water Solubility	Practically insoluble

Organoleptic Profile

Attribute	Description
Primary Character	Leather
Secondary Character	Earthy
Supporting Notes	Rooty, nutty, oakmoss, vetiver, tobacco
Fragrance Position	Base note
Function	Leather builder, fixative, earthy modifier

Typical Applications

- Fine Fragrance
 - Leather accords
 - Chypre fragrances
 - Fougère fragrances
 - Tobacco accords
 - Woody compositions
 - Soap
 - Fabric conditioner
 - Detergents
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Sustainability

Property	Status
Vegan Suitable	Yes
Biodegradability	Non-biodegradable

Quality Statement

The material represented by this certificate conforms to the representative specification for:



Iso Butyl Quinoline – IFF

Subject to verification against the original IFF batch Certificate of Analysis.

Disclaimer

This Certificate of Analysis is a representative supplier-style document prepared from publicly available IFF technical information. It is not the original batch-specific Certificate of Analysis issued by International Flavors & Fragrances (IFF). Batch-specific analytical limits and results must be confirmed using the original IFF documentation.

Authorised by:

Fozia Khot
Director