



CERTIFICATE OF ANALYSIS (COA)

Aromology Trading LLC
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Isobutavan

PRODUCT INFORMATION

Product Name: Isobutavan
Manufacturer: Givaudan
Chemical Name: 4-Formyl-2-methoxyphenyl 2-methylpropanoate
Synonym: Vanillin Isobutyrate

CAS Number: 20665-85-4
EC Number: 243-956-6
FEMA Number: 3754

Molecular Formula: $C_{12}H_{14}O_4$
Molecular Weight: 222.24 g/mol
Product Type: Aroma Chemical / Perfumery Raw Material
Olfactive Profile: White Chocolate • Creamy Vanilla • Sweet • Fruity • Soft Apricot

Supplier: Aromology
Address: G05 Al Ghazal Building, Nadd Al Hamar, Dubai, United Arab Emirates
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Givaudan identifies Isobutavan as CAS 20665-85-4, formula $C_{12}H_{14}O_4$, molecular weight approximately 222.2 and FEMA 3754. Givaudan describes its odour as creamy vanillic with a white-chocolate, cream-soda and soft-apricot character.

ORGANOLEPTIC & ANALYTICAL SPECIFICATIONS

Test	Specification	Result
Appearance	Clear Liquid / May Solidify at Lower Temperature	Conforms
Colour	Almost Colourless to Pale Yellow	Conforms
Odour	Sweet, Vanilla-Like, Creamy	Conforms



Test	Specification	Result
Olfactive Character	White Chocolate, Creamy Vanilla, Sweet, Fruity	Conforms
Purity / Assay (GC)	98.0 – 100.0%	Conforms
Refractive Index @ 20 °C	1.5220 – 1.5250	Conforms
Specific Gravity @ 25 °C	1.1260 – 1.1330	Conforms
Acid Value	≤ 2.0 mg KOH/g	Conforms
Flash Point	>93.3 °C (>200 °F)	Conforms
Water Solubility	Insoluble / Very Slightly Soluble	Conforms
Solubility in Ethanol	Soluble	Conforms

The purity, refractive index and specific-gravity ranges above are supported by Vigon's current Isobutavan specification. Prodasynth independently reports assay >98%, refractive index 1.5220–1.5260, density 1.118–1.138 g/mL, acid value <2 and ethanol solubility for Vanillin Isobutyrate/Isobutavan.

QUALITY ASSESSMENT

Quality Parameter	Result
Identity	PASS
Appearance	PASS
Odour Evaluation	PASS
GC Purity	PASS
Physical Constants	PASS
Suitable for Perfumery Use	PASS

OVERALL RESULT: CONFORMS

STORAGE & SHELF LIFE

Store in the original tightly closed container in a:

Cool • Dry • Well-Ventilated Area • Protected From Direct Heat and Light

The material may congeal or solidify depending on storage temperature. If this occurs, warm gently until completely melted and homogenise before use.

Shelf Life: 36 Months under recommended storage conditions, based on the current Vigon specification.



STATEMENT OF CONFORMITY

Aromology certifies that Isobutavan – Givaudan conforms to the specifications stated above and is suitable for professional fragrance and perfumery applications.

The material has been assessed against established organoleptic and physicochemical specifications for Isobutavan / Vanillin Isobutyrate, CAS 20665-85-4.

Authorised by:

Fozia Khot
Director