



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Details
Product Name	Natural β -Damascone
Common Name	Natural Beta Damascone
Chemical Name	β -Damascone
INCI Name	Damascone
CAS Number	23726-91-2
Alternative CAS	35044-68-9
EC Number	245-842-1
Molecular Formula	$C_{13}H_{20}O$
Molecular Weight	192.30 g/mol
Product Type	Natural Aroma Chemical
Batch Number	NBD-260721

Organoleptic Properties

Test	Specification	Result
Appearance	Clear yellow to amber liquid	Conforms
Colour	Pale yellow to amber	Conforms
Odour	Powerful fruity, rose, plum, tobacco, blackcurrant	Conforms
Identity	GC reference standard	Conforms

Physico-Chemical Properties

Test	Specification	Representative Result
Assay (GC)	$\geq 98.0\%$	99.2%
Relative Density (20 °C)	0.945–0.965	0.952
Refractive Index (20 °C)	1.500–1.515	1.507
Flash Point	$\geq 100^{\circ}\text{C}$	101 °C



Test	Specification	Representative Result
Water Content	$\leq 0.20\%$	0.04%
Acid Value	≤ 2.0 mg KOH/g	0.22 mg KOH/g

Purity

Assessment	Status
Purity	$\geq 98\%$
Added Solvents	None
Preservatives	None
Adulteration	None detected

Storage

Store tightly closed between 15–25 °C, protected from light, moisture and strong oxidising agents.

Conclusion

This material conforms to Aromology Trading LLC's representative commercial specification for Natural β -Damascone.

Authorised by

Fozia Khot
Director
Aromology Trading LLC