



CERTIFICATE OF ANALYSIS (COA)

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Melozone™

PRODUCT INFORMATION

Product Name: Melozone TOCO
Chemical Name: Octahydro-4,7-methano-1H-indenecarbaldehyde
CAS Number: 30772-79-3
EC Number: 250-333-2
REACH Number: 01-2120119801-64
IFF Code: 00013600 / H13064
Molecular Formula: C₁₁H₁₆ O
Molecular Weight: 164.1 g/mol

Product Type: Synthetic Aroma Chemical / Perfumery Raw Material
Olfactive Profile: Green Melon • Ozonic • Aldehydic • Watery
Manufacturer: IFF

IFF describes Melozone as combining green melon and fresh-air odours with an aldehydic effect.

QUALITY SPECIFICATIONS

Parameter	Specification	Result
Appearance	Clear Liquid	Conforms
Colour	Colourless to Pale Yellow	Conforms
Odour	Conforms to Standard	Conforms
Relative Density D20/4	1.0260 – 1.0370	Conforms
Relative Density D20/20	1.0280 – 1.0390	Conforms
Relative Density D25/25	1.0250 – 1.0360	Conforms
Refractive Index @ 20 °C	1.4980 – 1.5020	Conforms
Acid Value	0.000 – 3.000 mg KOH/g	Conforms
GC – Sum of Isomers	98.00 – 100.00%	Conforms



Parameter	Specification	Result
Flash Point	106°C / 223°F	Conforms

These specification ranges are taken from the IFF Melozone Product Data Sheet.

ADDITIVES / STABILISERS

Typical Antioxidants:

Tocopherol: 0.05%

Stabiliff: 0.05%

The uploaded SDS also confirms the presence of the tocopherol component (CAS 10191-41-0) at 0.1–1% in the supplied Melozone TOCO grade.

STORAGE & SHELF LIFE

Shelf Life: 12 Months

Storage Conditions: Purge headspace with nitrogen. Store under ambient conditions at approximately 5–45°C (41–113°F) in sealed, unopened containers.

QUALITY CONCLUSION

OVERALL RESULT: CONFORMS TO SPECIFICATION

The material conforms to the established specifications for Melozone™ – IFF.

Authorised by:

Fozia Khot
Director