CERTIFICATE OF ANALYSIS (COA)

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Aldehyde C-16

Product Name: Aldehyde C-16
CAS Number: 77-83-8
EC Number: 201-061-8

PRODUCT IDENTIFICATION

Parameter	Details
Product Name	ALDEHYDE C-16
IUPAC Name	ETHYL-ALPHA-BETA-EPOXY-BETA-METHYLPHENYLPROPIONATE
Synonyms	ETHYL-ALPHA-BETA-EPOXY-BETA-METHYLPHENYLPROPIONATE
Molecular Formula	C12 H14 03
Molecular Weight	206
CAS Number	77-83-8
EINECS Number	201-061-8
FEMA Number	2444
Tariff Number	2918999015
Applications	Industrial raw material not intended for direct use.
Kosher Certificate	AVAILABLE ON REQUEST

BATCH INFORMATION

Parameter	Details
Batch Number	ARO-C16-261117
Manufacturing Date	17 November 2026
Best Before Date	17 November 2028
Original Specification Version	5
Original Specification Version Date	29/10/21
Original Document Print Date	17/11/26

AROMOLOGY

PHYSICAL AND CHEMICAL SPECIFICATIONS

Test Parameter	Specification
Aspect at 20°C	CLEAR MOBILE LIQUID
Colour	COLORLESS TO PALE YELLOW
Odour	FRUITY, STRAWBERRY-LIKE
Density at 20°C (g/ml)	1,088–1,094
Density 25/25	1,086–1,096
Refractive Index nD20	1,5040–1,5070
Refractive Index nD25	–
Optical Rotation (°)	/
Boiling Point (°C)	153,0 - 159,0°C (20 mmHg)
Melting Point (°C)	-
Flash Point (°C)	111
Assay (% GC)	SUM > 98 (CIS:37-48; TRANS:46-62)
Acid Value (mg KOH/g)	<escape><</escape>2
Solubility	INSOLUBLE IN WATER
Vapour Pressure	0,18 mmHg (97°C)
Other Solubilities	SOLUBLE IN ETHANOL

OTHER TECHNICAL DATA

ETHYL 2,3-EPOXY-3-PHENYLBUTYRATE

STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 24 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.

DECLARATION

We believe the above information to be correct but we do not present it as all inclusive and as such should be used as a guide. It is the sole responsibility of the receiver of our product to comply with existing regulations and instructions.

This product has not been filtered due to technical reasons. We recommend not to use it unless filtered when used as a raw material in food intended for final consumers.

Authorised by:
Fozia Khot
Director