



CERTIFICATE OF ANALYSIS

Product

Product name	(7Z,11Z,13E)-Hexadeca-7,11,13-trienal	Product code	EP00102
CAS No.	888042-38-4	Pheromone code	7Z,11Z,13E-16:Ald
Batch No.	EP260811	Batch size / packaging	1 kg; 25 kg

Specification and results

Test	Specification	Result	Method
Appearance	Clear, colourless to yellow liquid; free from visible foreign matter	Clear, colourless liquid	Visual; record temperature
Chemical group purity (GC area)	≥ 85.0 %; sum of compound stereoisomers	87.0 %	GC-FID
Target isomer fraction (7Z,11Z,13E)	Report distribution	96.4 %	GC separation; isomer-normalised

GC area %: stereoisomer peaks of the compound / total organic peaks, excluding solvent and internal standard; isomer fraction normalised within the group.

Storage and dates

Storage conditions	2–8 °C (or –20 °C), protected from light, under nitrogen, container filled to minimise headspace		
Date of manufacture	2026-08-12	Date of analysis	2026-09-03

Signature

Analysed by	Approved by	Date
Wang Zubing	Zhong Wenjing	2026-09-03