



## SPECIFICATION SHEET

### NATURAL VANILLIN EX CLOVE LEAF OIL EU

PRODUCT CODE: N310702

CAS: 121-33-5

EINECS: 204-465-2

CFR No: 172.510

CoE No: 107

FEMA: 3107

FLAVIS No: 5.018

Hs Code: 2912.41.0000

Fp: >110 °C

UN No: –

Storage: In tightly closed container away from light and source of ignition at room temperature.

Shelf life: 24 months, could be extended by QC check or refine process.

ITEM	STANDARD
Assay by GC	99.5% min
Melting point	81.0 ~ 83.0°C
$\delta^{18}O$ -SMOW‰	10.5 ~ 11.2
pMC / $^{14}C$	98 ~ 102 / 13.30 ~ 13.87
$\delta^{13}C$	-33 ~ -34
$\delta D$	-80 ~ -85
Solubility	Slightly soluble in water; soluble in most organic solvents
Sensory (for reference only)	
Color	White or slightly yellow solid
Odor	Sweet, creamy, vanilla

Date: Jun. 2025

Version: 1.0

Approved and verified by: WJF