

## SPECIFICATION

## Ligustral

### Production unit

Shandong NHU Pharmaceutical Co., Ltd.

### Ingredients

#### Synonym

Trans-2,4-dimethylcyclohex-3-ene-1-carbaldehyde  
(Isomer1)

Cis-2,4-dimethylcyclohex-3-ene-1-carbaldehyde  
(Isomer2)

3,5-dimethylcyclohex-3-ene-1-carbaldehyde (Isomer3)

#### Formula

C<sub>9</sub>H<sub>14</sub>O

#### Product code

XLNQ01

#### EC No.

943-728-2

#### FEMA No.

4505

#### Flavour No.

-

### Properties

#### Shelf life

24 months after production date

#### Appearance

Colourless liquid

#### Odour

green grass, citrus fruit

#### Assay by GC

≥ 99 %

#### Composition

Reaction mass of 2,4-dimethylcyclohex-3-ene-1-carbaldehyde and 3,5-dimethylcyclohex-3-ene-1-carbaldehyde

#### Isomer 1 (GC)

≥ 18,5 %

#### Isomer 2 (GC)

69,0 – 81,0 %

#### Isomer 3 (GC)

≤ 5,0 %

#### Isomer 1 + 3 (GC)

19 – 32 %

#### Refractive index (20 °C)

1,469 – 1,475

#### Relative density (25 °C/25 °C)

0,926 – 0,939

#### Acid value

≤ 2,0 mg KOH/g

### Handling

#### Usage

to be used in cosmetics

#### Storage

Keep in dry place in unopened original packaging

#### Transport instructions

please see our latest safety data sheet

Classified as **dangerous goods** as per EU reg.

## NHU EUROPE GmbH

Ligustral/XLFC01/üa u fgg 130123/av