

## 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** 12 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