



Phone: +49(0)4131-580 88 00  
info@nhu-eu.com · www.nhu-eu.com

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## SPECIFICATION

**Product name** Ligustral  
**Product code** XLNQ01  
**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  
**Molecular weight** 138,21 g/mol  
**EC No.** 943-728-2  
**FEMA No.** 4505

### 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

NHU EUROPE GmbH  
Daimlerstraße 14-16  
21357 Bardowick  
Germany

Register no.: HRB 205610  
VAT-Id-no.: DE300149623  
District Court: Lüneburg  
Managing Director: Thomas Hoops

Bank account EUR  
Deutsche Bank AG  
DE53 2407 0075 0019 5222 00  
DEUTDE2H240

Bank account USD  
Deutsche Bank AG  
DE53 2407 0075 0019 5222 0005  
DEUTDE2H240

