

## Product Specification

### Isobionics® Santalol

|                          |  |
|--------------------------|--|
| <b>Product code</b>      | SALiso   |
| <b>Product name</b>      | Isobionics® Santalol   |
| <b>Chemical name</b>     | Santalol oil   |
| (main isomers)           | (2Z)-5-[(1R,3R,6S)-2,3-Dimethyltricyclo[2.2.1.0 <sup>2,6</sup> ]hept-3-yl]-2-methyl-2-penten-1-ol<br>(2Z)-2-Methyl-5-[(1S,2R,4R)-2-methyl-3-methylenebicyclo[2.2.1]hept-2-yl]-2-penten-1-ol<br>(2E)-5-[(1R,3R,6S)-2,3-Dimethyltricyclo[2.2.1.0 <sup>2,6</sup> ]hept-3-yl]-2-methyl-2-penten-1-ol<br>(2E)-2-Methyl-5-[(1S,2R,4R)-2-methyl-3-methylenebicyclo[2.2.1]hept-2-yl]-2-penten-1-ol |
| <b>CAS No.</b>           | 2576531-09-2   |
| <b>Molecular formula</b> | C <sub>15</sub> H <sub>24</sub> O  |
| <b>Molecular weight</b>  | 220,35   |

| Test                        | Specifications  |
|-----------------------------|---|
| Odour                       | Warm woody, balsamic, resinous  |
| Appearance                  | Clear, yellow liquid  |
| GC Assay                    | (Z)-alpha-Santalol ≥ 28%<br>(Z)-beta-Santalol ≥ 16%<br>(E)-alpha-Santalol ≤ 18%<br>(E)-beta-Santalol ≤ 8% |
| Refractive Index (at 20 °C) | 1,500 - 1,520   |
| Density (g/mL at 20 °C)     | 0,94 - 0,98   |

|                          |  |                |
|--------------------------|--|----------------|
| <b>Legislation</b>       | FEMA No.   | 3006           |
|                          | EU flavor No.  | 02.217; 02.216 |
|                          | EINECS   | -              |
| <b>Regulatory status</b> | Kosher   | YES            |
|                          | Halal  | YES            |
|                          | EU natural   | NO             |
|                          | US natural   | NO             |
|                          | Food grade   | -              |
| <b>Use</b>               | In fragrances.   |                |
| <b>Solubility</b>        | Soluble in essential oils, ethanol, triacetin.                 |                |
| <b>Packaging</b>         | Aluminium bottle, steel drum.                                  |                |
| <b>Storage</b>           | Store under nitrogen in a cool (10-15 °C), dark and dry place. |                |
| <b>Shelf life</b>        | 12 months (stored in unopened, original packaging).            |                |

Approved by: Ruud Hermans  
Date: 02-AUG-2022  
Quality & Regulatory Manager

