

## Product Specification

### beta-Elemene 93

<b>Product code</b>	BEL93
<b>Product name</b>	beta-Elemene 93 Natural
<b>Chemical name</b>	(1S,2S,4R)-1-Ethenyl-1-methyl-2,4-bis(1-methylethenyl)cyclohexane
<b>CAS No.</b>	515-13-9
<b>Molecular formula</b>	C <sub>15</sub> H <sub>24</sub>
<b>Molecular weight</b>	204,35

Test	Specifications
Odour	Waxy, oily, slightly herbal
Appearance	Clear, colourless to pale yellow liquid
GC Assay	beta-Elemene ≥ 93%
Refractive Index (at 20 °C)	1,481 - 1,501
Density (g/mL at 20 °C)	0,84 - 0,88

<b>Legislation</b>	FEMA No.	-
	EU flavor No.	-
	EINECS	251-713-0
<b>Regulatory status</b>	Kosher	YES
	Halal	YES
	EU natural	YES
	US natural	YES
	Food grade	YES

<b>Use</b>	In flavours, in aromas.
<b>Solubility</b>	Soluble in essential oils, ethanol, triacetin.
<b>Packaging</b>	Aluminium bottle, steel drums.
<b>Storage</b>	Store under nitrogen in a cool (10-15 °C), dark and dry place.
<b>Shelf life</b>	24 months (stored in unopened, original packaging).



Approved by: Emanuele Rizzi  
Date: 14-08-2020  
Quality & Regulatory Manager