

## Product Specification

### Isobionics® Natural Nootkatone 70

<b>Product code</b>	NOK70NA / 30795597
<b>Chemical name</b>	Nootkatone
<b>Synonym</b>	(4R,4aS,6R)-4,4a-dimethyl-6-(prop-1-en-2-yl)-4,4a,5,6,7,8-hexahydronaphthalen-2(3H)-one
<b>CAS No.</b>	4674-50-4
<b>Molecular formula</b>	C <sub>15</sub> H <sub>22</sub> O
<b>Molecular weight</b>	218,33

Test	Description	Specifications
Odour	According to reference	Citrus, grapefruit-like, woody
Appearance	Visual	Clear, yellow to green liquid and/or crystals <sup>1</sup>
Colour	Gardner Scale	≤ 10
Nootkatone	GC Assay (area%) <sup>2</sup>	> 70
Nonanone	GC Assay (area%) <sup>2</sup>	< 100 ppm
Density	g/ml at 20 °C	0,97 - 1,01
Refractive index	at 20 °C	1,518 - 1,538

1. Product may form crystals. If it is necessary melt at 45°C, do not exceed 50 °C.

2. Internal GC Method: AM-QA-002 – NOK70NA.

<b>Grade</b>	Natural US and EU	YES
	ISO 9235	YES
<b>Legislation</b>	EINECS	225-124-4
	FEMA	4941
	EU flavour no.	FL 07.089
	China	S0223 (referring to FEMA 3166)
<b>Certification</b>	Kosher	YES
	Halal	YES
<b>Use</b>	In flavours.	
<b>Solubility</b>	Soluble in essential oils, ethanol, triacetin.	
<b>Packing</b>	Aluminium bottle.	
<b>Storage</b>	Store under nitrogen in a cool (10-15 °C), dark and dry place.	
<b>Shelf life</b>	36 months (stored in unopened original container).	

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