



## CERTIFICATE OF CONFORMITY OF FRAGRANCE MIXTURES WITH IFRA STANDARDS

This Certificate assesses the conformity of a fragrance mixture with IFRA Standards and provides restrictions for use as necessary. It is based only on those materials subject to IFRA Standards for the toxicity endpoint(s) described in each Standard.

### CERTIFYING PARTY:

Randalls Candles Ltd. Unit 14-16 Campbells Meadow Business Park,  
Kings Lynn, Norfolk. PE30 4YR

### CERTIFICATE DELIVERED TO:

Customer:

### SCOPE OF THE CERTIFICATE:

Product: MOROCCAN SPICE FRAGRANCE

### COMPULSORY INFORMATION:

We certify that the above mixture is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 50th Amendment to the IFRA Standards (published June, 2021), provided it is used in the following category(ies) at a maximum concentration level of:

<b><i>IFRA Category(ies) [see Table 12 in Guidance for the use of IFRA Standards for details]</i></b>	<b><i>Level of use (%)*</i></b>
<b><i>Category 1</i></b>	<b><i>0.00</i></b>
<b><i>Category 2</i></b>	<b><i>1.50</i></b>
<b><i>Category 3</i></b>	<b><i>1.67</i></b>
<b><i>Category 4</i></b>	<b><i>28.09</i></b>
<b><i>Category 5A</i></b>	<b><i>7.12</i></b>
<b><i>Category 5B</i></b>	<b><i>2.06</i></b>
<b><i>Category 5C</i></b>	<b><i>3.00</i></b>
<b><i>Category 5D</i></b>	<b><i>0.66</i></b>
<b><i>Category 6</i></b>	<b><i>0.00</i></b>
<b><i>Category 7A</i></b>	<b><i>3.37</i></b>
<b><i>Category 7B</i></b>	<b><i>3.37</i></b>
<b><i>Category 8</i></b>	<b><i>0.66</i></b>
<b><i>Category 9</i></b>	<b><i>9.74</i></b>
<b><i>Category 10A</i></b>	<b><i>9.74</i></b>
<b><i>Category 10B</i></b>	<b><i>29.96</i></b>
<b><i>Category 11A</i></b>	<b><i>0.66</i></b>
<b><i>Category 11B</i></b>	<b><i>0.66</i></b>
<b><i>Category 12</i></b>	<b><i>100.00</i></b>

*\*Actual use level or maximum use level*

For other kinds of application or use at higher concentration levels, a new evaluation may be needed; please contact the certifying party.

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**OPTIONAL INFORMATION:**

**Product:** MOROCCAN SPICE FRAGRANCE

Information about presence and concentration of fragrance ingredients subject to IFRA Standards in the fragrance mixture named above is as follows:

<b>Materials under the scope of IFRA Standards:</b>	<b>CAS number(s):</b>	<b>Recommendation from IFRA Standard:</b>	<b>Concentration (%) in fragrance mixture or finished product:</b>
1-(1,2,3,4,5,6,7,8 Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl) ethanone (OTNE)	54464-57-2		2.96
Cyclamen aldehyde	103-95-7	Specification: Cyclamen aldehyde should not contain more than 1.5% of Cyclamen alcohol.	0.25
Dimethylcyclohex-3-ene-1-carbaldehyde (mixed isomers)	27939-60-2	Restriction: The above limits apply to Dimethylcyclohexen-3-ene-1-carbaldehyde (mixed isomers) used individually or in combination. The sum of concentrations of Dimethylcyclohexen-3-ene-1-carbaldehyde isomers should not exceed the maximum concentration levels established by this Standard.	0.09
Musk ketone	81-14-1	Specification: Musk xylene (CAS number 81-15-2), which has been prohibited for use in fragrance compounds for environmental reasons (vPvB), can be present in Musk ketone as an impurity. Musk ketone should only be used if it contains less than 0.1% of Musk xylene.	0.05

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Methyl ionone, mixed isomers	127-51-5	Restriction: The above limits apply to Methyl ionone isomers used individually or in combination. Specification: Pseudo methyl ionones (CAS numbers 26651-96-7, 72968-25-3, 1117-41-5) should not be used as fragrance ingredient as such. A level of up to 2% of Pseudo methyl ionones as an impurity in Methyl ionones is accepted.	0.35
alpha-Amyl cinnamic aldehyde	122-40-7		0.29
Benzyl salicylate	118-58-1		4.44
Citral	5392-40-5		0.00
Citronellol	106-22-9		0.77
Coumarin	91-64-5		5.34
Geraniol	106-24-1		0.76
a-Hexyl cinnamic aldehyde	101-86-0		7.20
Limonene	138-86-3	Specification: Oxidation products of Limonene, especially hydroperoxides, have been demonstrated to be potent sensitizers. d-, l- and dl-Limonene and natural products containing substantial amounts of it, should only be used when the level of (hydro)peroxides is kept to the lowest practical level, for instance by adding antioxidants at the time of production. The addition of 0.1% BHT or a-Tocopherol for example has shown great efficiency. Such products should have a peroxide value of less than 20 millimoles per liter, determined according to the IFRA analytical method for the determination of the peroxide value, which can be downloaded from the IFRA website ( <a href="http://www.ifrafragrance.org">www.ifrafragrance.org</a> ).	0.15

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Linalool	78-70-6	Specification: Oxidation products of Linalool, especially hydroperoxides, have been demonstrated to be potent sensitizers. d-, l- and dl-Linalool and natural products containing substantial amounts of it, should only be used when the level of (hydro)peroxides is kept to the lowest practical level, for instance by adding antioxidants at the time of production. The addition of 0.1% BHT or $\alpha$ -Tocopherol for example has shown great efficiency. Such products should have a peroxide value of less than 20 millimoles per liter, determined according to the IFRA analytical method for the determination of the peroxide value, which can be downloaded from the IFRA website ( <a href="http://www.ifrafragrance.org">www.ifrafragrance.org</a> ).	0.20
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Date: 06 Jan 2023

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