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**Essential oils — Name harmonization  
of components**

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 54, *Essential oils*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

## Introduction

This document was developed in response to the need for harmonization of the names of the components mentioned in the standards. It precisely defines the compound names (e.g. type of isomer) and gives the corresponding Registry Number (RN) from Chemical Abstracts Service (CAS).

Usual names of components commonly accepted by the profession are preferred to the International Union of Pure and Applied Chemistry (IUPAC) or CAS nomenclatures.

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# Essential oils — Name harmonization of components

## 1 Scope

This document specifies the names of the components intended to be used in the standards, for harmonization purposes.

It establishes the correspondence between the English and French names and gives the corresponding CAS Registry Number (CAS RN) for each component.

It is applicable to all standards of the field “Essential oils”.

## 2 Normative references

There are no normative references in this document.

## 3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>  
<https://standards.iteh.ai/catalog/standards/sist/f6095fec-ca33-4472-bb1d-40a9eaf2a01c/iso-prf-ts-24106>

## 4 Name harmonization of components

A list of names of the components to be used in the standards is given in [Table 1](#).

**Table 1 — Name harmonization of components**

	English name of the components	French name of the components	CAS RN
1	Acetophenone	Acétophénone	98-86-2
2	5-Allyl-1,2,3,4-tetramethoxybenzene	5-Allyl-1,2,3,4-tétraméthoxybenzène	15361-99-6
3	Anethole	Anéthole	104-46-1
4	( <i>E</i> )-Anethole	( <i>E</i> )-Anéthole	4180-23-8
5	( <i>Z</i> )-Anethole	( <i>Z</i> )-Anéthole	25679-28-1
6	Anisaldehyde	Anisaldéhyde	123-11-5
7	Apiole	Apiole	523-80-8
8	Aromadendrene	Aromadendrène	109119-91-7
9	<i>allo</i> -Aromadendrene	<i>allo</i> -Aromadendrène	25246-27-9
10	Auraptene	Auraptène	495-02-3
11	Benzaldehyde	Benzaldéhyde	100-52-7
12	Benzyl acetate	Acétate de benzyle	140-11-4
13	Benzyl benzoate	Benzoate de benzyle	120-51-4
14	Benzyl salicylate	Salicylate de benzyle	118-58-1
15	$\alpha$ -Bergamotene	$\alpha$ -Bergamotène	17699-05-7
16	<i>trans</i> - $\alpha$ -Bergamotene	<i>trans</i> - $\alpha$ -Bergamotène	17829-53-7

Table 1 (continued)

	English name of the components	French name of the components	CAS RN
17	<i>cis</i> - $\alpha$ -Bergamotene	<i>cis</i> - $\alpha$ -Bergamotène	18252-46-5
18	<i>trans</i> - $\alpha$ -Bergamotol	<i>trans</i> - $\alpha$ -Bergamotol	88034-74-6
19	( <i>Z</i> )- <i>trans</i> - $\alpha$ -Bergamotol	( <i>Z</i> )- <i>trans</i> - $\alpha$ -Bergamotol	176777-61-0
20	Bergamottin	Bergamottine	482-46-2
21	Bergapten	Bergaptène	484-20-8
22	$\beta$ -Bisabolene	$\beta$ -Bisabolène	495-61-4
23	( <i>E</i> )- $\alpha$ -Bisabolene	( <i>E</i> )- $\alpha$ -Bisabolène	25532-79-0
24	<i>epi</i> - $\alpha$ -Bisabolol	<i>épi</i> - $\alpha$ -Bisabolol	78148-59-1
25	$\alpha$ -Bisabolol	$\alpha$ -Bisabolol	515-69-5
26	$\alpha$ -Bisabolol oxide A	Oxyde d' $\alpha$ -bisabolol A	22567-36-8
27	$\alpha$ -Bisabolol oxide B	Oxyde d' $\alpha$ -bisabolol B	26184-88-3
28	$\alpha$ -Bisabolone oxide A	Oxyde d' $\alpha$ -bisabolone A	22567-38-0
29	Borneol	Bornéol	507-70-0
30	Bornyl acetate	Acétate de bornyle	76-49-3
31	$\beta$ -Bourbonene	$\beta$ -Bourbonène	5208-59-3
32	$\alpha$ -Bulnesene	$\alpha$ -Bulnesène	3691-11-0
33	2-Butyl methacrylate	Méthacrylate de 2-butyle	2998-18-7
34	Butyl methacrylate	Méthacrylate de butyle	97-88-1
35	$\delta$ -Cadinene	$\delta$ -Cadinène	483-76-1
36	$\alpha$ -Cadinol	$\alpha$ -Cadinol	481-34-5
37	T-Cadinol	T-Cadinol	5937-11-1
38	Camphene	Camphène	79-92-5
39	Camphor	Camphre	76-22-2
40	$\delta$ -3-Carene	$\delta$ -3-Carène	13466-78-9
41	Carota- 1,4-oxide	Oxyde de 1,4-carotol	56484-24-3
42	Carotol	Carotol	465-28-1
43	Carvacrol	Carvacrol	499-75-2
44	Carvacryl methyl ether	Carvacryl méthyl éther	6379-73-3
45	<i>trans</i> -Carveol	<i>trans</i> -Carvéol	1197-07-5
46	<i>cis</i> -Carveol	<i>cis</i> -Carvéol	1197-06-4
47	Carvone	Carvone	99-49-0
48	$\beta$ -Caryophyllene	$\beta$ -Caryophyllène	87-44-5
49	$\beta$ -Caryophyllene oxide	Oxyde de $\beta$ -caryophyllène	1139-30-6
50	$\alpha$ -Cedrene	$\alpha$ -Cédrène	469-61-4
51	$\beta$ -Cedrene	$\beta$ -Cédrène	546-28-1
52	Cedrol	Cédrol	77-53-2
53	Chamazulene	Chamazulène	529-05-5
54	Chavicol	Chavicol	501-92-8
55	1,8-Cineole	1,8-Cinéole	470-82-6
56	( <i>E</i> )-Cinnamaldehyde	( <i>E</i> )-Cinnamaldéhyde	14371-10-9
57	( <i>Z</i> )-Cinnamaldehyde	( <i>Z</i> )-Cinnamaldéhyde	57194-69-1
58	Cinnamic alcohol	Alcool cinnamique	104-54-1
59	( <i>E</i> )-Cinnamic alcohol	( <i>E</i> )-Alcool cinnamique	4407-36-7
60	( <i>Z</i> )-Cinnamic alcohol	( <i>Z</i> )-Alcool cinnamique	4510-34-3



Table 1 (continued)

	English name of the components	French name of the components	CAS RN
61	( <i>E</i> )-Cinnamyl acetate	Acétate de ( <i>E</i> )-cinnamyle	21040-45-9
62	Cinnamyl acetate	Acétate de cinnamyle	103-54-8
63	<i>cis</i> -Carvyl acetate	Acétate de <i>cis</i> -carvyle	1205-42-1
64	Citronellal	Citronellal	106-23-0
65	Citronellol	Citronellol	106-22-9
66	Citronellyl acetate	Acétate de citronellyle	150-84-5
67	Citronellyl formate	Formiate de citronellyle	105-85-1
68	$\alpha$ -Copaene	$\alpha$ -Copaène	3856-25-5
69	Coumarin	Coumarine	91-64-5
70	<i>p</i> -Cresyl methyl ether	<i>p</i> -Crésyl méthyl éther	104-93-8
71	Cuminaldehyde	Aldéhyde cuminique	122-03-2
72	Cuparene	Cuparène	16982-00-6
73	( <i>Z</i> )- $\beta$ -Curcumen-12-ol	( <i>Z</i> )- $\beta$ -Curcumen-12-ol	698365-10-5
74	( <i>Z</i> )- $\gamma$ -Curcumen-12-ol	( <i>Z</i> )- $\gamma$ -Curcumen-12-ol	151513-85-8
75	( <i>E</i> )- $\gamma$ -Curcumen-12-ol	( <i>E</i> )- $\gamma$ -Curcumèn-12-ol	235421-67-7
76	<i>ar</i> -Curcumene	<i>ar</i> -Curcumène	4176-17-4
77	Cycloseychellene	Cycloseychellène	52617-34-2
78	<i>p</i> -Cymene	<i>p</i> -Cymène	99-87-6
79	Daucene	Daucène	16661-00-0
80	Daucol	Daucol	887-08-1
81	Decanal	Décanal	112-31-2
82	<i>cis</i> -Dihydrocarvone	<i>cis</i> -Dihydrocarvone	3792-53-8
83	Dihydrocarvyl acetate	Acétate de dihydrocarvyle	20777-49-5
84	Drimenol	Driménol	468-68-8
85	Eicosane	Eicosane	112-95-8
86	Eicosene	Eicosène	3452-07-1
87	$\beta$ -Elemene	$\beta$ -Elémène	515-13-9
88	Elemicin	Élémicine	487-11-6
89	Elemol	Élémol	639-99-6
90	Epoxyauraptene	Epoxyauraptène	118628-99-2
91	Epoxybergamottin	Epoxybergamottine	206978-14-5
92	Estragole	Estragole	140-67-0
93	Ethanol	Ethanol	64-17-5
94	Ethyl salicylate	Salicylate d'éthyle	118-61-6
95	10- <i>epi</i> - $\gamma$ -Eudesmol	10- <i>épi</i> - $\gamma$ -Eudesmol	15051-81-7
96	$\gamma$ -Eudesmol	$\gamma$ -Eudesmol	1209-71-8
97	$\alpha$ -Eudesmol	$\alpha$ -Eudesmol	473-16-5
98	7- <i>epi</i> - $\alpha$ -Eudesmol	7- <i>épi</i> - $\alpha$ -Eudesmol	123123-38-6
99	$\beta$ -Eudesmol	$\beta$ -Eudesmol	473-15-4
100	Eugenol	Eugénol	97-53-0
101	Eugenyl acetate	Acétate d'eugényle	93-28-7
102	( <i>E,E</i> )- $\alpha$ -Farnesene	( <i>E,E</i> )- $\alpha$ -Farnésène	502-61-4
103	( <i>E</i> )- $\beta$ -Farnesene	( <i>E</i> )- $\beta$ -Farnésène	18794-84-8
104	( <i>E,E</i> )-Farnesol	( <i>E,E</i> )-Farnésol	106-28-5

Table 1 (continued)

	English name of the components	French name of the components	CAS RN
105	( <i>E,Z</i> )-Farnesol	( <i>E,Z</i> )-Farnésol	3879-60-5
106	( <i>E,E</i> )-Farnesyl acetate	Acétate de ( <i>E,E</i> )-farnésyle	4128-17-0
107	$\alpha$ -Fenchene	$\alpha$ -Fenchène	471-84-1
108	Fenchol	Fenchol	1632-73-1
109	Fenchone	Fenchone	1195-79-5
110	Foeniculin	Foeniculine	78259-41-3
111	Geranial	Géranial	141-27-5
112	Geraniol	Géraniol	106-24-1
113	Geranyl acetate	Acétate de géranyle	105-87-3
114	Geranyl benzoate	Benzoate de géranyle	94-48-4
115	Geranyl butyrate	Butyrate de géranyle	106-29-6
116	Geranyl formate	Formiate de géranyle	105-86-2
117	Geranyl hexanoate	Hexanoate de géranyle	10032-02-7
118	Geranyl tiglate	Tiglate de géranyle	7785-33-3
119	Germacrene D	Germacrène D	23986-74-5
120	Globulol	Globulol	51371-47-2
121	Guaia-6,9-diene	Guaia-6,9-diène	37839-64-8
122	$\alpha$ -Guaiene	$\alpha$ -Guaïène	3691-12-1
123	$\alpha$ -Gurjunene	$\alpha$ -Gurjunène	489-40-7
124	Heneicosane	Heneicosane	629-94-7
125	Heneicosene	Hénéicosène	1599-68-4
126	Heptadecane	Heptadécane	629-78-7
127	Hexyl acetate	Acétate d'hexyle	142-92-7
128	Hexyl butyrate	Butyrate d'hexyle	2639-63-6
129	Hexyl isobutyrate	Isobutyrate d'hexyle	2349-07-7
130	$\alpha$ -Humulene	$\alpha$ -Humulène	6753-98-6
131	(12 <i>Z</i> )-Hydroxysesquicineol	(12 <i>Z</i> )-Hydroxysesquicinéole	699007-30-2
132	Indole	Indole	120-72-9
133	<i>trans</i> - $\alpha$ -Irone	<i>trans</i> - $\alpha$ -Irone	599-45-1
134	<i>cis</i> - $\alpha$ -Irone	<i>cis</i> - $\alpha$ -Irone	472-46-8
135	<i>cis</i> - $\gamma$ -Irone	<i>cis</i> - $\gamma$ -Irone	101325-32-0
136	$\beta$ -Irone	$\beta$ -Irone	79-70-9
137	Isoamyl angelate	Angélate d'isoamyle	10482-55-0
138	Isoamyl isobutyrate	Isobutyrate d'isoamyle	2050-01-3
139	Isoamyl methacrylate	Méthacrylate d'isoamyle	7336-27-8
140	Isobornyl acetate	Acétate d'isobornyle	125-12-2
141	Isobutyl angelate	Angélate d'isobutyle	7779-81-9
142	Isobutyl isobutyrate	Isobutyrate d'isobutyle	97-85-8
143	Isobutyl methacrylate	Méthacrylate d'isobutyle	97-86-9
144	Isomenthone	Isomenthone	491-07-6
145	Isomeranzine	Isoméranzine	1088-17-1
146	Isopimaradiene	Isopimaradiène	1686-66-4
147	Isopinocampone	Isopinocampone	15358-88-0
148	Isopulegol	Isopulégol	89-79-2