

Monographs in Contact Allergy: Volume 2: Fragrances and Essential Oils, Anton C. de Groot (著)

No		CAS registry number	Patch testing	chemo technique	SmartPractice Canada	SmartPractice Europe
1	acetylcedrene	32388-55-9	5%pet			
2	acetyl hexamethyl indan	15323-35-0	3%pet			
3	acetyl hexamethyl tetralin	1506-02-1 21145-77-7	4%pet			
4	allylanisole	140-67-0	1%pet			
5	allyl cyclohexylpropionate	2705-87-5	No date available			
6	ambrettolide	7779-50-2	5%pet			
7	amyl cinnamal	122-40-7		2%pet	1%pet	1%pet
8	amyl cinnamate	3487-99-8	32%pet			
9	amylcinnamyl alcohol	101-85-9		5%pet	1%pet	1%pet
10	amyl salicylate	2050-08-0	5%pet			
11	anethole	104-46-1		5%pet		
12	anise alcohol	105-13-5		10%softisan	1%pet	1%pet
13	anisylidene acetone	943-88-4	2%pet			
14	benzaldehyde	100-52-7			5%pet	5%pet
15	benzyl acetate	140-11-4 101-41-7	5%pet			
16	benzyl alcohol	100-51-6		10%softisan	1%and5%pet	1%and5%pet
17	benzyl benzoate	120-51-4		10%pet	1%pet	1%pet
18	benzyl cinnamate	103-41-3		10%pet	5%pet	5%pet
19	benzylidene acetone	122-57-6	0.5%pet			
20	benzyl isoeugenol	120-11-6	1.5%pet			
21	benzyl propionate	122-63-4	No date available			
22	benzyl salicylate	118-58-1		10%pet	1%pet	1%pet
23	butyl acetate	123-86-4	25% inolive oil			
24	butylphenyl methylpropional	80-54-6			10%pet	10%pet
25	camphor	· DL-Camphor 76-22-2 464-49-3 21368-68-3 8008-51-3 · D-Camphor 207-355-2 617-014-3 923-389-7 · L-Camphor 464-48-2			1%pet	
26	camphylcyclohexanol	68877-29-2	2%pet,10%pet			
27	caprylic alcohol	111-87-5 67700-96-3 68603-15-6 220713-26-8	20%pet			
28	3-carene	13466-78-9 74806-04-5	10%pet			
29	carvacrol	499-75-2	5%pet			
30	carvone	6485-40-1(L-carvone) 99-49-0(carvone,natural) 2244-16-8(D-carvone)	5%pet	5%pet	5%pet	
31	beta-caryophyllene	87-44-5	Oxidation mixture,3%pet			

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32	caryophyllene oxide	1139-30-6	3.9%pet			
33	cedrol methyl ether	19870-74-7	5%pet			
34	cinnamal	104-55-2		1%pet	1%pet	1%pet
35	cinnamic acid	140-10-3 621-82-9	5%pet			
36	cinnamyl alcohol	104-54-1		2%pet	1%pet	1%pet
37	cinnamyl benzoate	5320-75-2	5-10%pet			
38	cinnamyl cinnamate	122-69-0	5%pet			
39	citral	5392-40-5	2%pet	2%pet	2%pet	2%pet
40	citral diethyl acetal	7492-66-2	No date available			
41	citronellal	106-23-0			2%pet	2%pet
42	citronellol	106-22-9 68916-43-8 26489-01-0		citronellol'1% pet	citronellol'1% pet	citronellol'1% pet
43	coumarin	91-64-5		5%pet	5%pet	5%pet
44	cuminaldehyde	122-03-2	5-15%pet			
45	5-cyclohexadecenone	37609-25-9	6%alc			
46	cyclohexyl acetate	622-45-7	5%pet			
47	cyclopentadecanone	502-72-7	5%pet			
48	p-cymene	99-87-6	1%alc			
49	alpha-damascone	23726-94-5 43052-87-5	0.2%pet			
50	beta-damascone	23726-92-3(z-,cis-) 23726-91-2(E-,trans-)	0.1%pet			
51	dehydrodiisoeugenol	2680-81-1	No date available			
52	diethyl maleate	141-05-9	0.12%pet			
53	dihydrocarveol	619-01-2	No date available			
54	dihydrocitronellol	106-21-8	5%pet			
55	dihydrocoumarin	119-84-6	5%pet			
56	dihydro pentamethylindanone	33704-61-9	5%pet			
57	dimethylbenzyl carbinyl acetate	151-05-3	5%pet			
58	dimethyl citraconate	617-54-9	10%pet			
59	2,4-dimethyl-3-cyclohexene	68039-49-6	5%pet			
60	dimethyltetrahydro benzaldehyde	68737-61-1	5%pet			
61	ethyl anisate	94-30-4	4%pet			
62	ethylene dodecanedioate	54982-83-1	5%pet			
63	ethyl vanillin	121-32-4	10%pet			
64	eucalyptol	470-82-6				2%pet
65	eugenol	97-53-0		2%pet	1%pet	1%pet
66	evernia	90028-67-4;94944-93-1		1%pet	1%pet	1%pet
67	evernia prunastri(oakmoss)extract	90028-68-5 68917-10-2 9000-50-4		2%pet	1%pet	1%pet
68	farnesol	4602-84-0		5%pet	5%pet	5%pet
69	ferula galbaniflua gum	93165-40-3	2%pet			
70	fragrance mix I			8%pet	8%pet	8%pet
71	fragrance mix II			14%pet	14%pet	14%pet
72	geranial	141-27-5	3.5%pet			
73	geraniol	106-24-1		2%pet	1%pet	1%pet
74	geranyl acetate	105-87-3	1%acetone			
75	heliotropine	120-57-0	5%pet			
76	heptanal	111-71-7	No date available			
77	hexadecanolactone	109-29-5	5%pet			

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78	hexamethylindanylopyran	1222-05-5	10% in isopropyl myristate;5%pet,7%pet.			
79	cis-3-hexenyl salicylate	65405-77-8	3%pet			
80	hexyl cinnamal	101-86-0		10%pet	10%pet	10%pet
81	hexyl salicylate	6259-76-3	12%pet			
82	hydroxycitronellal	107-75-5		2%pet	1%pet	1%pet
83	hydroxycitronellol	107-74-4	7%pet			
84	hydroxyisohexyl-3-cyclohexene carboxaldehyde	31906-04-4 51414-25-6		5%pet	5%pet	5%pet
85	ionone	127-41-3	alpha-and beta-ionone 5% pet,10%pet			
86	isoamyl salicylate	87-20-7	5%pet,50%pet			
87	isoeugenol	97-54-1		2%pet	1%pet	1%pet
88	isoeugenyl acetate	93-29-8	1.3%pet,1.2%alc			
89	isoeugenyl benzoate	4194-00-7	1.6%pet			
90	isoeugenyl phenylacetate	120-24-1	1.7%pet			
91	isolongifolanone	23787-90-8	5%pet			
92	alpha-isomethyl ionone	127-51-5		10%pet	1%pet	
93	isopulegol	7786-67-6 89-79-2	5%pet			
94	isosafrole	120-58-1 4043-71-4((E)- isosafrole,beta-isosafrole)	No date available			
95	limonene	· DL-limonene 138-86-3 · D-limonene 5989-27-5 7705-13-7 · L-limonene 5989-54-8		10%pet,hydro peroxides 0.2% and 0.3%pet	2% and 3%pet	D-limonene 2%pet,
96	linalool	78-70-6	10%pet,1.5%pet,1%pet	Non-oxidized 10%pet,hydro peroxides	Non-oxidized 10%pet	Non-oxidized 10%pet
97	linalyl acetate	115-95-7	oxidized linalyl acetate 4%pet or 6%pet			
98	maltol	118-71-8	1%pet			
99	menthol	1490-04-6(DL-) 89-78-1(DL-) 15356-60-2(D-) 2216-51-5(L-)		2%pet	1%pet	1%pet
100	menthyl acetate	89-48-5	No date available			
101	methoxycinnamal	1504-74-1 60125-24-8 1963-36-6 24680-50-0	4%pet			
102	methoxycitronellal	3613-30-7	10%pet			
103	2-methoxyphenol/2,2-dimethyl-3-	70955-71-4	5%pet			
104	methoxytrimethylheptanol	41890-92-0	5%pet			
105	methyl p-anisate	121-98-2	4%pet			
106	methyl anthranilate	134-20-3		5%pet	5%pet	5%pet
107	methyl cinnamate	103-26-4	5%pet,10%pet			
108	6-methyl coumarin	92-48-8		1%pet,1%alc		

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109	methyl dihydrojasmonate	24851-98-7 2630-39-9	5%pet			
110	methylenedioxyphenyl	1205-17-0	5%pet			
111	methyl eugenol	93-15-2	5%pet			
112	methyl ionones	79-89-0 127-43-5 127-51-5 1335-46-2 7779-30-8 127-42-4	0.0437% in alcohol			
113	5-methyl-alpha-ionone	79-69-6	10%pet			
114	methyl isoeugenol	93-16-3	1.1%pet,5%pet			
115	methyl octine carbonate	111-80-8	1% Methyl ethl ketone			
116	methyl 2-octynoate	111-12-6		0.2%pet		
117	methyl salicylate	119-36-8			1%pet	1%pet
118	3-methyl-5-(2,2,3-trimethyl-3-	67801-20-1	5%pet			
119	musk	68991-41-3 8001-04-5 90064-09-8	Unknown			
120	musk ambrette	83-66-9			5%pet	5%pet
121	musk ketone	81-14-1		1%pet		
122	musk moskene	116-66-5	5%pet	1%pet		
123	musk tibetene	145-39-1	2-5%pet			
124	musk xylene	81-15-2		1%pet		
125	myrcene	123-35-3	Oxidized myrcene,3%pet.5% diethyl phthalate			
126	myroxylon pereirae resin	8007-00-9 8016-42-0		25%pet	25%pet	25%pet
127	narcissus poeticus flower extract	90064-26-9		Narcissus poeticus	Narcissus poeticus	Narcissus poeticus
128	neral	106-26-3	3.5%pet			
129	nerol	106-25-2	5%pet			
130	nerolidol	142-50-7 7212-44-4 40176-66-3(trans-) 3790-78-1(cis-)	3%olive oil,1%pet			
131	nonanal	124-19-6	No date available			
132	nonyl alcohol	143-08-8;28473-21-4	No date available			
133	nopyl acetate	128-51-8	25%pet			
134	pentamethylcyclopent-3-ene-	65113-99-7	5%pet			
135	alpha-phellandrene	99-83-2	5%pet			
136	phenethyl alcohol	60-12-8	25%pet,5%pet			
137	phenylacetaldehyde	122-78-1	0.5%pet			
138	phenylpropanol	122-97-4	5%pet			
139	alpha-pinene	80-56-8	10%pet		15%pet	15%pet
140	beta-pinenes	127-91-3	15%olive oil,1%pet			
141	piperitone	89-81-6	No date available			
142	propylidene phthalide	17369-59-4	2%pet			
143	D-pulegone	89-82-7	No date available			
144	rhodinol	6812-78-8	1%pet	Citronello'	Citronello'	Citronello'
145	rose ketone-4	23696-85-7	No date available			
146	sabinene	3387-41-5	5% in diethyl phthalate			

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147	safrole	94-59-7	1%pet			
148	salicylaldehyde	90-02-8			2%pet	2%pet
149	santalol	11031-45-1	5%pet,10%pet			
150	styryl acetate	10521-96-7	1%pet			
151	alpha-terpinene	99-86-5	5% in diethyl phthalate			
152	4-terpineol	562-74-3	5% in diethyl phthalate			
153	alpha-terpineol	10482-56-1;98-55-5	5%pet			
154	terpinolene	586-62-9	5-10%pet,20%pet			
155	terpinyl acetate	8007-35-0	5%pet			
156	tetrahydro-dimethylbenzofuran	494-90-6	No date available			
157	tetramethyl acetyloctahydronaphthalene	54464-57-2 The actual INCI name is tetramethyl acetyloctahydronaphthaleneS,which includes isomers	5%pet			
158	thymol	89-83-8			1%pet	1%pet
159	trimethylbenzenepropanol	103694-68-4		5%pet	5%pet	5%pet
160	5,5,6-trimethylbicyclohept-2-ylcyclohexanol	3407-42-9 4105-12-8	10%pet,2%pet			
161	2,4,6-trimethyl-4-phenyl-1,3-	5182-36-5	5%pet			
162	vanillin	121-33-5	10%pet	10%pet	10%pet	10%pet
163	verdyl acetate	5413-60-5 2500-83-6 54830-99-8	5%pet			
164	vetiveryl acetate	117-98-6;62563-80-8	No date available			
165	viola odorata leaf extract	90147-36-7	2%pet			
6.1	angelica oil					
6.1.1	angelica fruit oil	8015-64-3 84775-41-7	2%pet			
6.1.2	angelica root oil	8015-64-3 84775-41-7	2%pet			
6.2	aniseed oil	8007-70-3 84775-42-8	1%pet			
6.3	basil oil	84775-71-3 8015-73-4	5%pet			
6.4	bay oil	8006-78-8 85085-61-6 91721-75-4	2%pet			
6.5	bergamot oil	8007-75-8 68648-33-9 89957-91-5 85049-52-1			2%pet	
6.6	bitter almond oil	8013-76-1 8015-75-6 90320-35-7	5%pet			
6.7	black cumin oil	90064-32-7	0.5-1%pet			
6.8	black pepper oil	8006-82-4 84929-41-9	2%pet			
6.9	cajeput oil	8008-98-8 85480-37-1	2%pet			
6.10	calamus oil	8015-79-0 84775-39-3	2%pet			

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6.11	cananga oil	93686-30-7 68606-83-7	2-5%pet			
6.12	cardamom oil	8000-66-6	2%pet			
6.13	carrot seed oil	84929-61-3	4%pet			
6.14	cassia oil					
6.14.1	cassia bark oil	84961-46-6 8007-80-5	1%pet			
6.14.2	cassia leaf oil	8007-80-5 84961-46-6	1%pet			
6.15	cedarwood oil					
6.15.1	cedarwood oil atlas	92201-55-3	5%pet			
6.15.2	cedarwood oil china	85085-29-6	5%pet			
6.15.3	cedarwood oil himalaya	91771-47-0	2%pet			
6.15.4	cedarwood oil texas	68990-83-0 917-22-61-1	2%pet			
6.15.5	cedarwood oil virginia	8000-27-9 85085-41-2			10%pet	10%pet
6.16	chamomile oil					
6.16.1	chamomile oil german	8002-66-2 8053-34-7 84082-60-0	2%pet			
6.16.2	chamomile oil roman	8015-92-7 84649-86-5	2%pet			
6.17	cinnamon oil					
6.17.1	cinnamon bark oil sri lanka	8015-91-6 84649-98-9	1%pet		0.5%pet	
6.17.2	cinnamon leaf oil sri lanka	8015-91-6 84649-98-9	2%pet			
6.18	citronella oil					
6.18.1	citronella oil java	8000-29-1 91771-61-8	2%pet			
6.18.2	citronella oil sri lanka	8000-29-1 89998-15-2	2%pet			
6.19	clary sage oil	8016-63-5 84775-83-7				
6.20	clove oil					
6.20.1	clove bud oil	8000-34-8 84961-50-2			2%pet.'clove oil'	
6.20.2	clove leaf oil	8000-34-8 84961-50-2			2%pet.'clove oil'	
6.20.3	clove stem oil	8000-34-8 84961-50-2			2%pet.'clove oil'	
6.21	coriander fruit oil	8008-52-4 84775-50-8	2%pet			
6.22	costus root oil	8023-88-9 90106-55-1	0.1%pet			
6.23	cypress oil	8013-86-9	2%pet,12%pet			
6.24	dwarf pine oil	90082-73-8 8000-26-8 90082-72-7	2%pet,4%pet			
6.25	elemi oil	8031-63-8				
6.26	eucalyptus oil					

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6.26.1	eucalyptus globulus oil	8000-48-4 84625-32-1 92502-70-0			2%pet	2%pet
6.26.2	eucalyptus citriodora oil	85203-56-1 129828-24-6	2%pet			
6.27	galbanum resin oil	8023-91-4 93165-40-3	2%pet			
6.28	geranium oil	8000-46-2 90082-51-2		2%pet		
6.29	ginger oil	8007-08-7 84696-15-1	4%pet			
6.30	grapefruit oil	8016-20-4 90045-43-5	2%pet			
6.31	guaiacwood oil	8016-23-7	2%pet			
6.32	hinoki oil	91745-97-0	5%pet			
6.33	hyssop oil	8006-83-5 84603-66-7	2%pet			
6.34	jasmine absolute					
6.34.1	jasminum grandiflorum absolute	84776-64-7		2%pet	2%pet	2%pet
6.34.2	jasminum sambac absolute	91770-14-8		2%pet	2%pet	2%pet
6.35	juniper berry oil	8002-68-4 84603-69-0 73049-62-4	2%pet			
6.36	laurel leaf oil	8002-41-3 85603-73-6 8007-48-5			2%pet	2%pet
6.37	lavandin oil					
6.37.1	lavandin abrial oil	8022-15-9 93455-96-0	2%pet			
6.37.2	lavandin grosso oil	8022-15-9 93455-97-1	2%pet			
6.37.3	lavandin oil(other cultivars and cultivar not specified)	8022-15-9 91722-69-9 92623-76-2	2%pet			
6.38	lavender oil	8000-28-0 90063-37-9 84776-65-8		2%pet	2%pet	
6.39	lemon oil	84929-31-7 8008-56-8				2%pet
6.40	lemongrass oil					
6.40.1	lemongrass oil east indian	8007-02-1 8055-93-4			2%pet	2%pet
6.40.2	lemongrass oil west indian	8007-02-1 89998-14-1	2%pet			
6.41	litsea cubeba oil	68855-99-2 90063-59-5	2%pet			
6.42	lovage oil	8016-31-7 84837-06-9	5%alc			
6.43	mandarin oil	8008-31-9 84929-38-4	2%pet			
6.44	marjoram oil(lemon balm oil)	8015-01-8 82082-58-6	2%pet			

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6.45	melissa oil(lemon balm oil)	8014-71-9 84082-61-1	2%pet			
6.46	myrrh oil	8016-37-3 84929-26-0 9000-45-7	2%pet			
6.47	neem oil	84696-25-3 90063-92-6	pure			
6.48	neroli oil	8016-38-4 72968-50-4 68916-04-1			2%and5%pet	
6.49	niaouli oil	8014-68-4	1%alc			
6.50	nutmeg oil	8008-45-5 84082-68-8	2%pet			
6.51	olibanum oil(frankincense oil)	8016-36-2 89957-98-2	2%pet			
6.52	orange oil					
6.52.1	bitter orange oil	68916-04-1 72968-50-4			2%pet	2%pet
6.52.2	sweet orange oil	97766-30-8 8028-48-6 8008-57-9			2%pet	2%pet
6.53	oregano oil	84012-24-8	Commercial oregano essential oil,tested semi- open.			
6.54	palmarosa oil	91722-54-2 8014-19-5 84649-81-0	2%pet			
6.55	patchouli oil	8014-09-3 84238-39-1			10%pet	10%pet
6.56	peppermint oil	8006-90-4 84082-70-2		10%pet	10%pet	10%pet
6.57	petitgrain bigarade oil	8014-17-3 72968-50-4 68916-04-1				5%pet
6.58	pine needle oil	8023-99-2 84012-35-1	2%pet			
6.59	ravensara oil	91770-56-8	2%pet			
6.60	rose oil	8007-01-0 90106-38-0		2%pet	0.5%pet	
6.61	rosemary oil	8000-25-7 84604-14-8			0.5%pet	
6.62	rosewood oil	8015-77-8 83863-32-5	5%pet			
6.63	sage oil					
6.63.1	sage oil dalmatian	8022-56-8 84082-79-1	2%pet			
6.63.2	sage oil spanish	90106-49-3 95371-15-6	2%pet			
6.64	sandalwood oil					
6.64.1	sandalwood oil east india	8006-87-9 84787-70-2		2%pet	10%pet	10%pet

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6.64.2	sandalwood oil australia	8024-35-9 92875-02-0 1175539-50-0		2%pet	10%pet	10%pet
6.64.3	sandalwood oil new caledonia	91845-48-6		2%pet	10%pet	10%pet
6.65	silver fir oil	8021-27-0 90028-76-5	2%pet			
6.66	spearmint oil	84696-51-5 8008-79-5	2%pet			
6.67	spike lavender oil	8016-78-2 84837-04-7 97722-12-8	2%pet			
6.68	spruce oil					
6.69	star anise oil	8007-70-3 4650-59-9 68952-43-2	0.5%pet			
6.70	tangerine oil	223748-44-5	2%pet,10%pet			
6.71	tea tree oil	68647-73-4 85085-48-9		5%pet.,oxized	5%pet.,oxized	
6.72	thuja oil	90131-58-1 8007-20-3	2%pet			
6.73	thyme oil					
6.73.1	thyme oil ex thymus vulgaris l	8007-46-3 84929-51-5	2%pet,5%alc			
6.73.2	thyme oil spanish	85085-75-2	2%pet			
6.74	turmeric oil	84775-52-0 8024-37-1	unknown;suggested:2%and 5%pet			
6.75	turpentine oil	8006-64-2		0.4%pet.(hydroperoxides)	10%pet	10%pet
6.76	valerian oil	8008-88-6	2%pet			
6.77	vetiver oil	8016-96-4 84238-29-9	5%pet			
6.78	ylang-ylang oil	8006-81-3 83863-30-3		2%pet	2%pet	10%pet
6.79	zdravetz oil	92347-05-2 68991-32-2	2%pet			