使用量順位	規格先	表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外・成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR
2588	JFFMA	alpha-ionol	4	95				1.484-1.494	20	0.911-0.921	25	-			1	4,5	
	JECFA	4-(2,6,6-Trimethyl-2-cyclohexenyl)-3-buten-2-ol		99				1.488-1.492		0.917-0.924							
	流通	alpha-ionol		98.00				1.487-1.490		0.910-0.930		-					
	再調査	alpha-ionol		95.0	-			1.485-1.492	20	0.912-0.920	25/25	-		-			
2589	JFFMA	alpha-pinene oxide	4	95				1.465-1.475	20	0.960-0.970	20	-			3,5,6	3,4,5	3,6
	流通	alpha-pinene oxide		95				1.468-1.471		0.962-0.968		-					
	再調査	alpha-pinene oxide		-	-				-		-	-		-			
2596	JFFMA	benzyl methyl disulfide	2	98				1.599-1.607	20	1.118-1.126	20	-			1	4,5	1
	JECFA	Benzyl methyl disulfide		99		MP	61 to 62			0.840	d20/4						
	流通	benzyl methyl disulfide										-					
	再調査	benzyl methyl disulfide		98-100	-			1.599-1.607	20	1.118-1.126	20/20	-		-			
2620	JFFMA	catechol diethyl ether	10,18	98		MP	42-46					-		10	3,5	3,4,5	3
	流通	catechol diethyl ether										-					
	再調査	catechol diethyl ether		98.0	-	MP	42-45		-		-	-		-			
2622	JFFMA	cis-2-nonenol	4	98				1.447-1.453	20	0.845-0.855	20	-			3	3,4,5	1,3
	JECFA	Non-2(cis)-en-1-ol		96				1.447-1.453		0.841-0.847		1.0					
	流通	cis-2-nonenol		>95								-					
		cis-2-nonenol		98.5	-			1.448-1.451	20	0.845-0.855	20/20	1		-			
2623	JFFMA	cis-3-heptenol	4	95				1.440-1.450	20	0.841-0.861	20	-				4,5	
	流通	cis-3-heptenol										-					
	再調査	cis-3-heptenol		95.0				1.440-1.450	20	0.841-0.861	20/20						
2629	JFFMA	cis-4-octenol	4	99				1.444-1.450	20	0.844-0.851	25	-				1	
	JECFA	4(Z)-Octenol		99				1.444-1.450		0.844-0.851							
	流通	cis-4-octenol		>98								-					
2631	JFFMA	cis-5-octenal	3		98			1.436-1.442	20	0.845-0.853	20	3			1		
	JECFA	(Z)-Oct-5-enal		85				1.436-1.441		0.845-0.853	20°						
	流通	cis-5-octenal		98.0-100				1.436-1.441		0.845-0.853		3					
2647	JFFMA	diethyl sulfide	2	96				1.440-1.450	20	0.832-0.842	25	-			1,3,5,6	3,4,5	3,6
	JECFA	Diethyl sulfide		98				1.440-1.450		0.836-0.841							
	流通	diethyl sulfide		95				1.440-1.450				-					
	再調査	diethyl sulfide		96.0	-			1.442-1.446	20		-	-		-			
	再調査	diethyl sulfide		99.0	-	MP	-100	1.442	20	0.837	25/25	-		-			
2662	JFFMA	ethyl 2-(methyldithio)propionate	1	98				1.497-1.503	20	1.117-1.123	20	1					1
	JECFA	Ethyl 2-(methyldithio)propionate		98				1.490-1.500		1.090-1.120							
	流通	ethyl 2-(methyldithio)propionate		98.00				1.498-1.503									
	再調査	ethyl 2-(methyldithio)propionate		98.0	-			1.498-1.503	20		-	1.00		-			
	再調査	ethyl 2-(methyldithio)propionate		99.0	-			1.498-1.502	20	1.117-1.122	20/20	-		-			
2666	JFFMA	ethyl 2-methyl-3,4-pentadienoate	3	98				1.446-1.452	20	0.922-0.928	20	1			1		
	JECFA	Ethyl 2-methylpenta-3,4-dienoate		98				1.446-1.452		0.922-0.928							
	流通	ethyl 2-methyl-3,4-pentadienoate															
	再調査	ethyl 2-methyl-3,4-pentadienoate		98.0	-			1.446-1.452	20	0.922-0.928	20/20	-		10			
2667	JFFMA	ethyl 2-methylbenzoate	1		98			1.495-1.501	20	1.031-1.037	20	1			3,6	3,4,5	3,6
	流通	ethyl 2-methylbenzoate															
	再調査	ethyl 2-methylbenzoate		-	98			1.496-1.500	20	1.031-1.036	20/20	1.00		-			
2673	JFFMA	ethyl 3-methyl-2-butenyl ether	4	95				1.414-1.424	20	0.795-0.805	20	-			1	1	1
	JECFA	Ethyl 3-methyl-2-butenyl ether		99.4				1.416-1.422		0.797-0.802		1.0					
	流通	ethyl 3-methyl-2-butenyl ether		>98								-					
	再調査	ethyl 3-methyl-2-butenyl ether		99.0	-			1.416-1.421	20	0.797-0.803	20/20	-		-			
	再調査	ethyl 3-methyl-2-butenyl ether		95.0	-				-		-	-		-			

使用量順位	規格先	表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外-成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR
2688	JFFMA	ethyl mercaptoacetate	1	97				1.455-1.461	20	1.096-1.103	20	1			3,5,6	3,4,5	3,6
	流通	ethyl mercaptoacetate															
	再調査	ethyl mercaptoacetate		97.0	-			1.455-1.461	20	1.096-1.103	20/20	-		-			
2696	JFFMA	formadehyde diethyl acetal	1	95				1.369-1.379	20	0.826-0.836	20	1			3,5,6	3,4,5	3,6
	流通	formadehyde diethyl acetal		95				1.371-1.376		0.827-0.835							
2716	JFFMA	isoamyl isothiocyanate	2	98				1.493-1.499	20	0.939-0.945	20	-			5	1,4,5	
	JECFA	Isoamyl isothiocyanate		98				1.493-1.499		0.939-0.945							
	流通	isoamyl isothiocyanate		95								-					
	再調査	isoamyl isothiocyanate		95.0				1.493-1.499	20	0.939-0.945	20/20						
2734	JFFMA	l-fenchone	6	98				1.460-1.466	20	0.942-0.948	20	-	-55 to -50		5,6	4,5	6
	流通	l-fenchone		98.0								-					
	再調査	l-fenchone		98.0	-			1.460-1.463	20	0.944-0.948	20/20	-	-55 to -50	-			
	再調査	l-fenchone		98.0				1.460-1.465	20	0.941-0.946	20/4						
2736	JFFMA	l-perillyl acetate	7	90				1.477-1.487	20	0.981-0.991	20	1	-55 to -50			4,5	
	流通	l-perillyl acetate															
	再調査	l-perillyl acetate		90				1.477-1.487	20	0.981-0.990	20/20		-50				
	再調査	l-perillyl acetate		90	-			1.477-1.487	20	0.981-0.990	20/4		-55	10			
2749	JFFMA	methyl 2-methyl-3-furyl sulfide	2	95				1.504-1.514	20	1.060-1.070	20	-					1
	JECFA	2-Methyl-3-(methylthio)furan		95				1.506-1.514		1.064-1.071	20*						
	流通	methyl 2-methyl-3-furyl sulfide		95				1.507-1.511				-					
	再調査	methyl 2-methyl-3-furyl sulfide		95.0	-			1.507-1.511	20	1.060-1.070	20/20	-		-			
	再調査	methyl 2-methyl-3-furyl sulfide		-	-				-		-	-		-			
2764	JFFMA	methyl epi-jasmonate	3	97	異性体合算			1.470-1.477	20	1.022-1.033	20	2				4	1
	JECFA	Methyl 3-oxo-2-pent-2-enyl-1-cyclopentylacetate		99				1.470-1.476		1.017-1.023		1.0					
	流通	methyl epi-jasmonate															
	再調査	methyl epi-jasmonate		20.0	-			1.471-1.477	20	1.022-1.033	20/20	2.00		-			
	再調査	methyl epi-jasmonate		97.0	-			1.471-1.477	20	1.022-1.033	20/20	-		-			
	再調査	methyl epi-jasmonate		97.0	-			1.471-1.477	20	1.018-1.029	20/20	2.00		-			
	再調査	methyl epi-jasmonate		98.0	-			1.473-1.477	20	1.022-1.028	20/20	-		20			
	再調査	methyl epi-jasmonate		97.0	-			1.471-1.477	20	1.022-1.033	20/20	2.00		-			
	再調査	methyl epi-jasmonate		97-100	-			1.471-1.477	20	1.018-1.029	20/20	2.00		-			
	再調査	methyl epi-jasmonate		97.0	-			1.471-1.477	20	1.018-1.029	20/20	2.00		-			
	再調査	methyl epi-jasmonate		93.0	93			1.473-1.477	20	1.022-1.028	20/4	-		-			
	再調査	methyl epi-jasmonate		97.0	-			1.471-1.477	20	1.022-1.033	20/20	2.00		-			
	再調査	methyl epi-jasmonate		97.0	-			1.471-1.477	20	1.022-1.033	20/20	2.00		-			
	再調査	methyl epi-jasmonate		95.0	-			-	-	-	-	-		-			
	再調査	methyl epi-jasmonate		97.0	-			1.471-1.477	20	1.022-1.033	20/20	2.00		-			
	再調査	methyl epi-jasmonate		0.2				1.471-1.477	25	1.018-1.029	25/4						
	再調査	methyl epi-jasmonate		97.0	-			1.470-1.477	20	1.020-1.027	25/25	1.00		-			
2772	JFFMA	methyl trans,cis-2,4-decadienoate	3	97	異性体合算			1.480-1.500	20	0.910-0.930	20	1			1	4,5	1
	JECFA	Methyl (E,Z)-2,4-decadienoate		93				1.488-1.494		0.917-0.923		1.0					
	流通	methyl trans,cis-2,4-decadienoate		97				1.480-1.500	(25℃)	0.910-0.930							
	再調査	methyl trans,cis-2,4-decadienoate		99.0	-				20		20/4	-		-			

使用量順位	規格先	表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外-成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR
2778	JFFMA	neral	3	96	異性体合算			1.484-1.490	20	0.885-0.891	20	5			1,3	4,5	3
	JECFA	3,7-Dimethyl-2,6-octadienal		96	sum of cis- and trans- isomers			1.486-1.490		0.885-0.891		5.0					
	FCC	Citral		96	sum of neral and geranial /GC(M-1b)			1.486-1.490		0.885-0.891							
	流通	neral						1.485-1.489		0.880-0.890							
	再調査	neral		96.0	96			1.484-1.489	20	0.886-0.891	20/20	5.00		-			
2803	JFFMA	propyl trans,cis-2,4-decadienoate	3	98				1.482-1.488	20	0.893-0.903	20	1					1
	JECFA	Propyl 2,4-decadienoate		95	sum of isomers			1.468-1.475		0.913-0.919		1.0					
	流通	propyl trans,cis-2,4-decadienoate										-					
	再調査	propyl trans,cis-2,4-decadienoate		98.0	-			1.482-1.488	20	0.893-0.903	20/20	-		-			
2806	JFFMA	salicylic acid	10,18	98		MP	158-162					-		10	1,3,6	3,4,5	6
	JECFA	2-Hydroxybenzoic acid		99	by chemical analysis, acid-base titration	MP	158 to 160										
	流通	salicylic acid		>99.5								-					
	再調査	salicylic acid		99.5	-	MP	158-161		-		-	-		10			
	再調査	salicylic acid		98.0	-				-		-	-		-			
2808	JFFMA	sec-butyl 3-methylbutanethioate	1	98				1.452-1.458	20	0.898-0.906	20/4	1				4,5	
	流通	sec-butyl 3-methylbutanethioate		>98													
	再調査	sec-butyl 3-methylbutanethioate		98.0	-			1.452-1.458	20	0.898-0.906	20/4	1.00		-			
	再調査	sec-butyl 3-methylbutanethioate		98.0	-				-		-	-		-			
2813	JFFMA	trans,cis-2,6-nonadienal diethyl acetal	3	90	異性体合算			1.440-1.450	20	0.859-0.869	25	1			1		
	JECFA	1,1-Diethoxy-2,6-nonadiene		90	sum of isomers			1.441-1.448		0.860-0.868		1.0					
	流通	trans,cis-2,6-nonadienal diethyl acetal															
	再調査	trans,cis-2,6-nonadienal diethyl acetal		90.0	-			1.441-1.448	20	0.860-0.868	25/25	-		-			
	再調査	trans,cis-2,6-nonadienal diethyl acetal		90.0				1.441-1.448	20	0.860-0.868	25/25						
2847	JFFMA	2-isopropyl-3(5)(6)-methoxypyrazine	2	97	異性体合算			1.492-1.498	20	1.015-1.021	20	-			1,2,3,6	3,4,5	6
	JECFA	2-Isopropyl-3-methoxypyrazine and 2-Isopropyl-5-methoxypyrazine and 2-Isopropyl-6-methoxypyrazine		97	sum of isomers			1.492-1.499		1.010-1.022							
	FCC	2-Methoxy 3-(or 5- or 6-)Isopropyl Pyrazine		97	sum of three isomers /GC(M-1b)			1.492-1.499		1.010-1.022							
	流通	2-isopropyl-3(5)(6)-methoxypyrazine		75								-					
	再調査	2-isopropyl-3(5)(6)-methoxypyrazine		98.0	-			1.492-1.498	20	1.010-1.020	20/20	-		-			
2855	JFFMA	2,4,5-trimethyl-3-oxazoline	2	94				1.414-1.435	20	0.911-0.932	25	-			2	4	1
	JECFA	2,4,5-Trimethyl-delta-3-oxazoline		94				1.414-1.435		0.911-0.932							
	FCC	2,4,5-Trimethyl δ-3-Oxazoline		94	GC(M-1a)			1.414-1.435		0.911-0.932							
	流通	2,4,5-trimethyl-3-oxazoline		65													
	再調査	2,4,5-trimethyl-3-oxazoline		99.0	-			1.420-1.430	20	0.915-0.925	20/4	-		-			

使用量順位	規格先	表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外・成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR
2861	JFFMA	alpha-terpinyl acetate	3		97			1.461-1.467	20	0.956-0.965	20	1			1,2,3	3,4,5	3
	JECFA	p-Menth-1-en-8-yl acetate		97				1.464-1.467		0.953-0.962		0.7	+40 to +80				
	FCC	Terpinyl Acetate		97	sum of isomers /GC(M-1b)			1.464-1.467		0.953-0.962							
	流通	alpha-terpinyl acetate															
	再調査	alpha-terpinyl acetate			97			1.464-1.467	20	0.956-0.965	20/20	1.00		-			
	再調査	alpha-terpinyl acetate		-	-			1.464-1.467	20	0.956-0.965	20/20	1.00		-			
	再調査	alpha-terpinyl acetate		-	97			1.461-1.467	20	0.956-0.965	20/20	1.00		-			
2867	JFFMA	geranial	3		96			1.483-1.493	20	0.880-0.894	20	5			1,2,6	4,5	3,6
	JECFA	3,7-Dimethyl-2,6-octadienal		96	sum of cis- and trans-isomers			1.486-1.490		0.885-0.891		5.0					
	FCC	Citral		96	sum of neral and geranial /GC(M-1b)			1.486-1.490		0.885-0.891							
	流通	geranial															
	再調査	geranial		-	96			1.486-1.490	20	0.880-0.894	20/20	5.00		-			
3001	JFFMA	mono-menthyl succinate	9,17	98		MP	60-66					特例除外		10	1		
	JECFA	Butanedioic acid, mono-(5-methyl-2-isopropyl-cyclohexyl) ester		99.5		MP	60 to 64						-65 to -61				
	再調査	mono-menthyl succinate		98.0	-	MP	60-66		-		-	-		10			
	再調査	mono-menthyl succinate		98.0	-				-		-	-		10			
	再調査	mono-menthyl succinate		98.0										10			
	再調査	mono-menthyl succinate		98.0	-				-		-	-		-			
	再調査	mono-menthyl succinate		98.0	-				20		20/20	-		-			
3005	JFFMA	2-methoxypyridine	2	99				1.499-1.509	20	1.037-1.057	20	-			3,6	3,4,5	3
	再調査	2-methoxypyridine		-	-			1.500-1.504	20	1.046-1.051	20/20	-		-			
	再調査	2-methoxypyridine		99.0				1.499-1.509	20	1.037-1.057	20/20						
3008	JFFMA	2-(l-menthoxy)ethanol	6	99				1.457-1.467	20	0.920-0.940	25	-	-96 to -92(比旋光度)				1
	JECFA	2-(l-Menthoxy)ethanol		99				1.457-1.467		0.920-0.940							
	再調査	2-(l-menthoxy)ethanol		98.0	-			1.457-1.467	20		20/20	-	比旋光度-96 to -92	10			
3009	JFFMA	dinonyl sulfide	2	97				1.460-1.466	20	0.842-0.848	20	-			3	3,4,5	3
	再調査	dinonyl sulfide		97(参考値)	-				-	0.840	20/20	-		-			
	再調査	dinonyl sulfide		97.0	-	CP	13-16	1.462-1.465	20	0.844-0.847	20/20	-		-			
3024	JFFMA	2-heptyl-4-pentanolide	9,17	94		MP	29-35	1.445-1.455	20	0.928-0.943	20	10		10	1		
	JECFA	3-Heptyl-4-pentanolide; 3-Heptyldihydro-5-methyl-2(3H)-furanone		95				1.443-1.450		0.935-0.942							
	再調査	2-heptyl-4-pentanolide		94.5	-			1.447-1.452	20	0.925-0.940	25/25	-		10			
	再調査	2-heptyl-4-pentanolide		94.5	-	MP	29-34	1.447-1.452	20	0.928-0.943	20/20	-		-			
3038	JFFMA	4-allyl-2,6-dimethoxyphenol	4	97				1.544-1.553	20	1.114-1.124	20	-			1,6	4,5	6
	JECFA JECFA	4-Allyl-2,6-dimethoxyphenol		98				1.548-1.550		1.089-1.095							
	再調査	4-allyl-2,6-dimethoxyphenol		97.0	-			1.546-1.553	20	1.116-1.124	20/20	-		-			
	再調査	4-allyl-2,6-dimethoxyphenol		98.0	-			1.544-1.553	20	1.114-1.124	20/20	-		-			

使用量順位	規格先	表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外-成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR
3042	JFFMA	3-hexenyl 2-methylbutyrate	3	95				1.429-1.439	20	0.876-0.886	20	1			1	4	6
	JECFA	3-Hexenylethyl-2-methylbutanoate		98				1.428-1.434		0.876-0.880							
	FCC	(Z)-3-Hexenyl 2-Methylbutyrate		95	sum of two isomers; (Z)-isomer 92.0% min /GC(M1-a)			1.430-1.434		0.876-0.880		2.0					
	再調査	3-hexenyl 2-methylbutyrate		98.0	-			1.430-1.436	20	0.879-0.883	20/20	-		-			
3050	JFFMA	2-geranylcyclopentanone	4	95	異性体合算			1.470-1.490	25	0.900-0.920	20	-				1	1
	JECFA	2-(3,7-Dimethyl-2,6-octadienyl)cyclopentanone		95				1.482-1.489		0.911-0.916							
	再調査	2-geranylcyclopentanone		95.0	-			1.470-1.490	25	0.900-0.920	20/20	-		-			
3052	JFFMA	undecane	2	99				1.415-1.421	20	0.738-0.744	20	-			3,5,6	3,4,5	3,6
	再調査	undecane		99.0	-			1.416-1.419	20	0.739-0.743	20/20	-		-			
3059	JFFMA	5-methyl-2-pyrrolylcarbaldehyde	9,17	90		MP	66-72					10		10		4,5	
	再調査	5-methyl-2-pyrrolylcarbaldehyde		90.0		MP	67-71										
3068	JFFMA	2,3-dimethylbenzofuran	2		98			1.552-1.558	20	1.038-1.044	20	-				4	1
	JECFA	2,3-Dimethylbenzofuran		97				1.554-1.563		1.031-1.037		1.0					
	再調査	2,3-dimethylbenzofuran		98-100	-			1.553-1.557	20	1.038-1.044	20/20	1.00		-			
3070	JFFMA	trans,trans-2,4-undecadienal	3	95	異性体合算 (E,E-:min90, E,Z-:0.1-8.0)			1.505-1.515	20	0.863-0.873	20	1				4,5	1
	JECFA	(2E,4E)-Undeca-2,4-dienal		99				1.500-1.505		0.896-0.906		1.0					
	再調査	trans,trans-2,4-undecadienal		95.0	-			1.507-1.515	20	0.860-0.870	25/25	-		-			
	再調査	trans,trans-2,4-undecadienal		95.0	-			1.507-1.515	20	0.863-0.873	20/20	1.00		-			
3071	JFFMA	2-hydroxy-3,3-dimethyl-4-butanolide	9,17		98	MP	90-94					10		10	3,5,6	3,4,5	3
	再調査	2-hydroxy-3,3-dimethyl-4-butanolide		-	98	MP	90-94		-		-	-	比旋光度-52 to -50	-			
3072	JFFMA	diisopropyl disulfide	2	95				1.486-1.496	20	0.939-0.949	20	-			1,3,6	3,4,5	6
	JECFA	Di-isopropyl disulfide		96				1.441-1.451		0.843-0.847							
	再調査	diisopropyl disulfide		95.0	-			1.491-1.492	20	0.943-0.945	20/20	-		-			
3076	JFFMA	5,6-dihydro-2,4,6-trimethyl-1,3,5-dithiazine	10,18	95		MP	42-48					-		10	1	1,4,5	1
	JECFA	Dihydro-2,4,6-trimethyl-4H-1,3,5-dithiazine		99		MP											
	再調査	5,6-dihydro-2,4,6-trimethyl-1,3,5-dithiazine		95.0		MP	42-48										
3077	JFFMA	3-(methylthio)hexanal	1	99				1.476-1.484	20	0.966-0.972	20	10			1	4	1
	JECFA	3-(Methylthio)hexanal		95.8				1.475-1.485		0.967-0.968							
	再調査	3-(methylthio)hexanal		99.0	-			1.476-1.484	20	0.966-0.972	20/20	-		-			
3087	JFFMA	2-mercaptobutanedioic acid	12,20	98		MP	151-155					-		10	3,5	3,4,5	3
	再調査	2-mercaptobutanedioic acid		98.0	-	MP	151-154		-		-	-		-			
3088	JFFMA	3-hexenyl isovalerate	3	95	異性体合算			1.427-1.437	20	0.873-0.883	20	2			1	4	
	JECFA	3-Hexenyl 3-methylbutanoate		95				1.429-1.435		0.876-0.874		2.0					
	FCC	(Z)-3-Hexenyl Isovalerate		95	sum of two isomers; (Z)-isomer 92.0% min /GC(M1-a)			1.429-1.435		0.872-0.877		2.0					
	再調査	3-hexenyl isovalerate		95.0	-			1.429-1.435	20	0.875-0.880	20/20	2.00		-			
3099	JFFMA	dihydroterpineol	2	95	異性体合算			1.460-1.475	20	0.905-0.915	20	-				4,5	
	再調査	dihydroterpineol		95.0	-			1.460-1.475	20	0.903-0.913	20/4	-		-			

使用量順位	規格先	表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外・成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR
3101	JFFMA	3,4-dimethoxyacetophenone	10,18	98		MP	49-54					-		10	3,6	3,4,5,6	3
	再調査	3,4-dimethoxyacetophenone		98.0	-	MP	49-54		-		-	-		-			
	再調査	3,4-dimethoxyacetophenone		98.0	-				-		-	-		-			
3106	JFFMA	ethyl methoxyacetate	1	95				1.395-1.405	20	0.998-1.008	20	1			3,6	3,4,5	6
	再調査	ethyl methoxyacetate		97.0	-			1.400	20	1.003	20/20	-		-			
	再調査	ethyl methoxyacetate		95.0	-				-		-	-		-			
3109	JFFMA	methyl hydroxyacetate	1	96				1.411-1.421	20	1.181-1.191	20	1			3	3,4,5	3
	再調査	methyl hydroxyacetate		-	-				-		-	-		-			
	再調査	methyl hydroxyacetate		96.0	-			1.415-1.418	20	1.184-1.188	20/20	-		-			
3114	JFFMA	geranyl 2-ethylbutyrate	3	90	異性体合算			1.451-1.461	20	0.883-0.893	20	1			1		
	JECFA																
	JECFA	3,7-Dimethyl-2,6-octadien-1-yl-2-ethylbuanoate		95	by ester determination			1.449-1.458		0.889-0.896							
	再調査	geranyl 2-ethylbutyrate		90.0	-			1.454-1.458	20	0.886-0.890	20/20	1.00		-			
3115	JFFMA	methyl cis-3-nonenoate	3	99				1.433-1.439	20	0.890-0.896	20	1			1,6		6
	再調査	methyl cis-3-nonenoate		99.0	-			1.433-1.439	20	0.891-0.896	20/20	1.00		-			
3116	JFFMA	methyl cis-5-octenoate	3	96				1.429-1.439	20	0.898-0.908	20	1			1	1	1
	JECFA	Methyl 5(Z)-Octenoate		95				1.429-1.435		0.921-0.925							
	再調査	methyl cis-5-octenoate		96-100	-			1.432-1.436	20	0.900-0.906	20/20	1.00		-			
3117	JFFMA	S-methyl benzenethioate	1	98				1.583-1.589	20	1.139-1.145	20	1				1,4,5	1
	JECFA	S-Methyl thiobenzoate		95				1.574-1.580		0.826-0.836							
	再調査	S-methyl benzenethioate		98.0	-			1.583-1.589	20	1.140-1.144	20/20	-		-			
	再調査	S-methyl benzenethioate		95.0													
3127	JFFMA	1,2-di[(1'-ethoxy)ethoxy]propane	2	98				1.408-1.414	20	0.914-0.924	20	-					1
	JECFA	1,2-Di[(1'-ethoxy)-ethoxy)propane		97				1.408-1.414		0.911-0.925		1.0					
	FCC	1,2-Di[(1'-ethoxy)ethoxy]propane		97	GC(M-1b)			1.409-1.413		0.915-0.925		0.1					
	再調査	1,2-di[(1'-ethoxy)ethoxy]propane		98.0	-			1.408-1.414	20	0.914-0.924	20/20	-		-			
3131	JFFMA	1-methyl-2-pyrrolylcarbaldehyde	1	90				1.555-1.565	20	1.072-1.082	20	10			3,6	3,4,5	6
	再調査	1-methyl-2-pyrrolylcarbaldehyde		90.0	-			1.558-1.562	20	1.075-1.079	20	-		-			
3135	JFFMA	2-(4-methoxyphenoxy)propionic acid	10,18	99		MP	89-93					-		10	1,3		
	JECFA	Sodium 2-(4-methoxyphenoxy)propionate		98		MP	190										
	再調査	2-(4-methoxyphenoxy)propionic acid		99.0	-	MP	90-92		-		-	-		-			
3138	JFFMA	2,3-dimethoxybenzyl alcohol	10,18	98		MP	47-51					-		10	3,5,6	3,4,5	3,6
	再調査	2,3-dimethoxybenzyl alcohol		98.0	-	MP	47-51		-		-	-		-			
3148	JFFMA	2-ethenyl-5-isopropenyl-2-methyltetrahydrofuran	4	97	異性体合算			1.449-1.455	20	0.873-0.879	20	-				4	1
	JECFA	2-(1-Methylene-ethyl)-5-methyl-5-vinyltetrahydrofuran		97				1.449-1.454		0.874-0.878		2.0					
	再調査	2-ethenyl-5-isopropenyl-2-methyltetrahydrofuran		97.0	-			1.450-1.454	20	0.874-0.878	20/20	-		-			
3149	JFFMA	2-ethyl-4,5-dimethyloxazole	2		96			1.441-1.451	20	0.943-0.953	20	-				4,5	1
	JECFA	4,5-Dimethyl-2-ethyloxazole		99				1.454-1.460		1.474-1.480							
	再調査	2-ethyl-4,5-dimethyloxazole		96-100	-			1.444-1.448	20	0.945-0.951	20/20	5.00		-			
3157	JFFMA	2-methylpropanethiol	2	92				1.434-1.444	20	0.831-0.841	20	-			1,3,5,6	3,4,5	3,6
	JECFA	2-Methyl-1-propanethiol		97				1.437-1.444		0.829-0.836							
	再調査	2-methylpropanethiol		92.0	-			1.436-1.442	20	0.831-0.841	20/20	-		-			
3159	JFFMA	2-pentanethiol	2	97				1.438-1.444	20	0.824-0.830	25	-				1,4,5	3
	JECFA	2-Pentanethiol		97	+2.4% 3-pentanethiol			1.442-1.452		0.832	d20/4						
	再調査	2-pentanethiol		97.0	-			1.439-1.443	20	0.827	25/25	-		-			

使用量順位	規格先	表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外-成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR
3161	JFFMA	2-sec-butylcyclohexanone	2	97				1.456-1.462	20	0.913-0.919	20	-			2,6	4	1
	JECFA	2-(1-Methylpropyl)cyclohexanone		94				1.454-1.461		0.911-0.917							
	FCC	2-sec-Butyl Cyclohexanone		97	GC(M-1b)			1.456-1.462		0.910-0.915							
	再調査	2-sec-butylcyclohexanone		97.0	-			1.457-1.461	20	0.914-0.918	20/20	-		-			
3162	JFFMA	2-thiophenethiol	2	98				1.610-1.620	20	1.244-1.254	20	-				4,5	1
	JECFA	2-Mercaptothiophene		98				1.618-1.622		1.250-1.255							
	再調査	2-thiophenethiol		98.0	-			1.610-1.620	20	1.244-1.254	20/20	-		10			
3165	JFFMA	3-(hydroxymethyl)-2-octanone	2	90				1.416-1.422	20	0.874-0.878	25	-					1
	JECFA	3-(Hydroxymethyl)-2-octanone		90				1.416-1.422		0.874-0.878							
	再調査	3-(hydroxymethyl)-2-octanone		95.0	-			1.441-1.446	20		25/25	-		-			
3170	JFFMA	3-hydroxybenzaldehyde	9,17	99		MP	101-105					10		10	3,5	3,4,5	3,6
	再調査	3-hydroxybenzaldehyde		99.0	-	MP	102-105		-		-	-		-			
3178	JFFMA	3-oxobutanal dimethyl acetal	1	94				1.410-1.430	20	0.982-1.002	25	1			1,3	3,4,5	1,3
	JECFA	4,4-Dimethoxy-2-butanone		96				1.414-1.424		0.993-0.998							
	再調査	3-oxobutanal dimethyl acetal		94.0	-			1.410-1.430	20	0.982-1.002	25/25	-		-			
3189	JFFMA	4-acetyl-6-tert-butyl-1,1-dimethylindane	10,18	98		MP	75-79					-		10	1	4, 5	
	JECFA	4-Acetyl-6-(1,1-dimethylethyl)-1,1-dimethylindane		97		MP	68 to 70										
	再調査	4-acetyl-6-tert-butyl-1,1-dimethylindane		98.0	-	MP	75-79		-		-	-		-			
3193	JFFMA	4-hydroxy-5-methyl-3(2H)-furanone	10,18	98		MP	126-130					-		10			1
	JECFA	4-Hydroxy-5-methylfuran-3(2H)-one		97		MP	126 to 133					4.0					
	再調査	4-hydroxy-5-methyl-3(2H)-furanone		98.0	-	MP	126-130		-		-	-		-			
3194	JFFMA	4-hydroxyphenethyl alcohol	10,18	98		MP	90-95					-		10	3,6	3,4,5,6	3
	再調査	4-hydroxyphenethyl alcohol		98.0	-	MP	90-95		-		-	-		-			
3197	JFFMA	4-methyl-2-pentanol	2	98				1.408-1.414	20	0.805-0.811	20	-			3,5	3,4,5	3
	再調査	4-methyl-2-pentanol		98.0	-			1.409-1.413	20	0.806-0.810	20/20	-		-			
3223	JFFMA	dodecahydro-3a,6,6,9a-tetramethylnaphtho[2,1-b]furan	10,18	99		MP	74-78					-		10			1
	JECFA	Dodecahydro-6,6,9a-trimethylnaphtho[2,1-b]furan		96		MP	75 to 85					1.0					
	再調査	dodecahydro-3a,6,6,9a-tetramethylnaphtho[2,1-b]furan		99.0	-	MP	74-77		-		-	-		-			
3225	JFFMA	ethyl 3-acetoxy-2-methylbutyrate	1	95				1.417-1.420	20	1.003-1.013	20	1			1	1	1
	JECFA	Ethyl 3-acetoxy-2-methylbutyrate		95				1.417-1.420		1.003-1.013							
	再調査	ethyl 3-acetoxy-2-methylbutyrate		95.0	-				-		-	-		-			
3229	JFFMA	hexanethiol	2	96				1.444-1.454	20	0.839-0.849	20	-			1,3,5,6	1,3,4,5	1,3,6
	JECFA	1-Hexanethiol		95				1.444-1.452		0.824-0.835							
	再調査	hexanethiol		96.0				1.448-1.452	20	0.842-0.846	20/20						
3236	JFFMA	methyl 4-phenylbutyrate	1	97				1.497-1.503	20	1.015-1.028	25	1			5	4,5	1
	JECFA	Methyl 4-phenylbutyrate		97				1.483-1.489		0.996-1.002		1.0					
	再調査	methyl 4-phenylbutyrate		97.0	-			1.498-1.502	20	1.015-1.028	25/25	-		-			
3237	JFFMA	methyl cyclohexylcarboxylate	1	98				1.439-1.447	20	0.990-0.999	25	2			1,3,5,6	3,4,5	1,3,6
	JECFA	Methyl cyclohexanecarboxylate		98				1.439-1.447		0.990-0.999		2.0					
	再調査	methyl cyclohexylcarboxylate		98.0	-			1.439-1.447	20	0.990-0.999	25/25	2.00		-			

使用量順位	規格先	表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外・成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR
3240	JFFMA	p-1-menthen-9-yl acetate	3	98				1.463-1.469	20	0.959-0.965	20	1					1
	JECFA	p-Menth-1-en-9-yl acetate		97				1.441-1.448		0.931-0.937		1.0					
	再調査	p-1-menthen-9-yl acetate		98.0	–			1.465-1.467	20	0.961-0.964	20/20	–		–			
3249	JFFMA	tributyl acetylcitrate	1	98				1.435-1.455	20	1.040-1.060	25	1			1,3	1,3,4,5	3
	JECFA	Tributyl 2-acetoxy-1,2,3-propanetricarboxylate		99				1.440-1.445		1.045-1.055		0.0002					
	再調査	tributyl acetylcitrate		98.0	–			1.435-1.455	20	1.040-1.060	25/25	–		–			

＊1 融点区分

MP ・・・ Melting point　融点
CP ・・・ Congealing point　凝固点

＊2 参照スペクトルデータベース番号

1） FAO/WHO合同食品添加物専門家委員会(Joint FAO/WHO Expert Committee on Food Additive;JECFA)
2） 米国食品化学物質規格集(Food Chemicals Codex 6th Edition; FCC)
3） 有機化合物のスペクトルデータベース SDBS(独立行政法人産業技術総合研究所)
4） Wiley's Registry of Mass spectral Database
5） NIST/EPA/NIH Mass Spectral Library
6） Sigma-Aldrich カタログ

資料－４

日本香料工業会　自主規格　一覧

表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外・成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2			使用量順位
													IR	MS	NMR	
acetaldehyde 1,3-octanediol acetal	1	96				1.429-1.433	20	0.900-0.906	20	1				1		2571
acetaldehyde amyl ethyl acetal	1	95				1.400-1.404	25	0.828-0.832	25	1				4,5		1546
acetaldehyde benzyl ethyl acetal	1	96	異性体合算			1.477-1.487	20	0.968-0.978	20	1				3	3	935
acetaldehyde bis(2-methylbutyl) acetal	1	97				1.412-1.418	20	0.833-0.839	20	1				4,5		694
acetaldehyde diamyl acetal	1	97				1.414-1.420	20	0.833-0.840	20	1			3	3	3	570
acetaldehyde dibutyl acetal	1	98				1.405-1.411	20	0.830-0.836	20	1			2	4,5		683
acetaldehyde diethyl acetal	1	95				1.377-1.387	20	0.823-0.833	20	1			1,2,3,6	3,4,5	3,6	35
acetaldehyde di-cis-3-hexenyl acetal	3	97	異性体合算			1.442-1.448	20	0.864-0.870	20	1			3	1,4	1,3	842
acetaldehyde dihexyl acetal	1	95				1.418-1.428	20	0.834-0.844	20	1				4,5		438
acetaldehyde diisoamyl acetal	1	95				1.411-1.421	20	0.827-0.837	20	1			1,3	1,3	1,3	858
acetaldehyde diisopropyl acetal	1	97				1.387-1.393	20	0.814-0.820	20	1				4,5		1468
acetaldehyde dimethyl acetal	1	95				1.363-1.373	20	0.851-0.871	20	1			1,3,6	4,5	3,6	791
acetaldehyde ethyl 3-hexenyl acetal	3	95				1.418-1.428	20	0.847-0.857	20	1			3	4	3	539
acetaldehyde ethyl cis-3-hexenyl acetal	3	98				1.419-1.430	20	0.848-0.856	20	2			1,3	3,4,5	3	376
acetaldehyde ethyl hexyl acetal	1	93				1.405-1.415	20	0.828-0.838	20	1				4,5		639
acetaldehyde ethyl phenethyl acetal	1	98				1.477-1.484	20	0.957-0.963	20	1			3	3	3	1512
acetaldehyde glyceryl acetal	1	97	異性体合算			1.440-1.447	20	1.125-1.135	20	1				4		883
acetaldehyde hexyl isoamyl acetal	1	97	sum of acetaldehyde hexyl isoamyl acetal(ca.52%), acetaldehyde dihexyl acetal(ca.27%) and acetaldehyde diisoamyl acetal(ca.18%)			1.418-1.423	20	0.833-0.838	20	1				1	3	500
acetaldehyde phenethyl propyl acetal	1	98				1.475-1.481	20	0.948-0.954	20	1			6	4,5	1	992
acetaldehyde propyleneglycol acetal	1	95				1.391-1.401	20	0.927-0.937	20	1					1	87
acetanisole	10,18	97		MP	36-42					-		10	1,2,3,5,6	3,4,5	3,6	249
acetoin	2	95				1.414-1.424	20	0.997-1.014	20	-			1,2,3,6	3,4,5	3	30
acetoin acetate	1	97				1.407-1.417	20	1.022-1.032	20	3			1	4		797
acetoin butyrate	1	98				1.415-1.423	20	0.975-0.983	20	3			1,2,6	4		1469
acetone	2	99				1.356-1.362	20	0.790-0.795	20	-			1,3,6	3,4,5	3,6	999
acetone propyleneglycol acetal	1	98				1.384-1.402	20	0.888-0.906	20	1				4,5	1	1005
acetovanillone	10,18	98		MP	113-118					-		10	3,5,6	3,4,5	3,6	1435
6-acetoxydihydrotheaspirane	11,19	97		MP	50-53					1		10	1		1	2552
2-acetyl-3,5(3,6)-dimethylpyrazine	2	98				1.510-1.520	20	1.070-1.080	20	-			1		6	1151
5-acetyl-2,4-dimethylthiazole	2	96				1.535-1.545	20	1.149-1.159	20	-			3,5	3,4,5	1,3	1483

表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外・成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR	使用量順位
3-acetyl-2,5-dimethylthiophene	2	98				1.541-1.548	20	1.095-1.105	20	-				4,5	1,6	1058
2-acetyl-3-ethylpyrazine	2	97				1.509-1.518	20	1.070-1.080	20	-			1,5,6	4,5	6	655
2-acetylfuran	10,18	95		CP	27-34					-		10	1,2,3,5,6	3,4,5	3,6	211
acetylpyrazine	10,18	99		MP	75-80					-		10	1,2,3,5,6	3,4,5	3,6	123
2-acetylpyridine	2	95				1.515-1.525	20	1.078-1.088	20	-			3,6	3,4,5	1,3,6	172
3-acetylpyridine	2	97				1.530-1.540	20	1.103-1.118	20	-			2,3,5,6	4,5	1,3	533
2-acetylpyrrole	10,18	97		MP	87-93					-		10	3,6	3,4,5	1,3,6	337
2-acetylthiazole	2	98				1.542-1.552	20	1.220-1.230	20	-			2,6	3,4,5	1	353
3-acetylthio-2-methylfuran	2	98				1.516-1.522	20	1.148-1.154	20	-					1	2473
2-acetylthiophene	2	98				1.563-1.569	20	1.170-1.176	20	-			3,6	3,4,5	3,6	1536
2-acetyl-5-methylfuran	2	98				1.511-1.517	20	1.064-1.070	20	-			1,3,6	3,4,5	1,6	2123
2-acetyl-3-methylpyrazine	2	98				1.517-1.523	20	1.110-1.118	20	-			1,6	4,5		729
4-acetyl-6-tert-butyl-1,1-dimethylindane	10,18	98		MP	75-79					-		10	1	4,5		3189
2-acetyl-2-thiazoline	10,18	95		MP	26-30	1.526-1.534	20参考	1.187-1.197	20参考	-		10	1,6	1,4,5	1	504
4-allyl-2,6-dimethoxyphenol	4	97				1.544-1.553	20	1.114-1.124	20	-			1,6	4,5	6	3038
allyl (3-methylbutoxy)acetate	3	98				1.428-1.434	20	0.937-0.943	20	1				4,5		763
allyl acetate	3	98				1.401-1.407	20	0.926-0.932	20	2			3,6	3,4,5	3,6	1053
allyl benzoate	3	98				1.515-1.521	20	1.051-1.057	20	1			3	3,4,5		1391
allyl butyrate	3	95				1.409-1.419	20	0.897-0.907	20	1			1,3	3,4,5	3	662
allyl cinnamate	3	97				1.564-1.570	20	1.053-1.059	20	1			1,3,6	3,4,5	3,6	286
allyl cyclohexylacetate	3	94				1.455-1.461	20	0.953-0.960	20	1					1	1548
allyl decanoate	3	98				1.435-1.441	20	0.876-0.882	20	1			3	3,4,5		1429
allyl 2-ethylbutyrate	3	98				1.419-1.425	20	0.883-0.889	20	1			1	4,5		1018
allyl heptanoate	3	97				1.426-1.432	20	0.882-0.888	20	1			1,2,5	4,5	6	112
allyl isovalerate	3	98				1.414-1.420	20	0.882-0.888	20	1			1,2,3,5	3,4,5	3	965
allyl levulinate	3	98				1.438-1.444	20	1.024-1.030	20	1				4,5		1004
allyl octanoate	3	98				1.429-1.435	20	0.880-0.886	20	1			3,5,6	3,4,5	3,6	207
allyl phenoxyacetate	3	98				1.513-1.519	20	1.105-1.111	20	1			1,2,6	4,5		165
allyl phenylacetate	3	98				1.507-1.513	20	1.037-1.043	20	1			1,5	4,5	6	1451
allyl propionate	3	98				1.407-1.413	20	0.913-0.921	20	1			1,2,5	4,5		1085
allyl propyl disulfide	4	90				1.508-1.520	20	0.970-0.985	20	-				4,5	1	1307
allyl sorbate	3	92				1.500-1.512	20	0.943-0.953	20	1			1			1470
allyl tiglate	3	98				1.450-1.456	20	0.940-0.946	20	1			1	4,5	6	1392
allyl valerate	3	98				1.417-1.423	20	0.891-0.897	20	1			3	3,4,5	3	600
4-allylphenol	4	95				1.538-1.548	20	1.013-1.023	25	-				4,5	1	1252
alpha-angelicalactone	3	95				1.440-1.450	20	1.087-1.100	20	10			1,3,5,6	3,4,5	3,6	397
alpha-damascone	4	90	異性体合算			1.491-1.501	20	0.932-0.942	20	-			1,3,5,6	3,4,5	3,6	457
alpha-fenchone	6	97				1.457-1.463	20	0.943-0.951	20	-			5	4,5		1514

表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外・成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR	使用量順位
alpha-fenchyl acetate	1	97				1.452-1.458	20	0.968-0.974	20	1				4,5	1	2586
alpha-fenchyl alcohol	10,18	95		MP	35-45					-		10	1,2,3	3,4,5	3	530
alpha-hexylcinnamaldehyde	3	95				1.545-1.555	20	0.953-0.964	20	10			1,2,3	3,4,5	3	416
alpha-ionol	4	95				1.484-1.494	20	0.911-0.921	25	-			1	4,5		2588
alpha-irone	4	94				1.497-1.507	20	0.930-0.940	20	-			1	4,5		1156
alpha-methyl naphthyl ketone	2	95				1.623-1.633	20	1.114-1.124	20	-			3,5	3,4,5	3,6	460
alpha-methylcinnamaldehyde	3	95				1.597-1.607	20	1.034-1.044	20	5			1,2,3,6	3,4,5	3,6	1117
alpha-methylionone	4	90				1.495-1.505	20	0.927-0.937	20	-			1	4,5		1021
alpha-pinene oxide	4	95				1.465-1.475	20	0.960-0.970	20	-			3,5,6	3,4,5	3,6	2589
alpha-terpineol	4	96				1.478-1.488	20	0.930-0.941	20	-			1,2,3,5	3,4,5	3,6	259
alpha-terpinyl acetate	3		97			1.461-1.467	20	0.956-0.965	20	1			1,2,3	3,4,5	3	2861
ambrettolide	3	97				1.474-1.482	20	0.949-0.959	20	5			1	4,5		1200
2-aminoacetophenone	2	98				1.612-1.618	20	1.115-1.121	20	-			3,5,6	3,4,5	3,6	2218
amyl acetate	1	98				1.400-1.406	20	0.875-0.881	20	1			3,6	3,4,5	3,6	116
amyl benzoate	1	98				1.492-1.498	20	0.989-0.996	20	1			3	3,4,5	3	1274
amyl butyrate	1	98				1.409-1.415	20	0.866-0.872	20	1			1,3	3,4,5	3,6	229
amyl cinnamate	3	98				1.535-1.542	20	0.996-1.003	20	1			2	4,5		853
amyl decanoate	1	98				1.429-1.436	20	0.857-0.865	20	1				4	3	1171
amyl formate	1	95				1.397-1.403	20	0.884-0.892	20	2			1,3,5,6	3,4,5	3	830
amyl heptanoate	1	98				1.422-1.428	20	0.861-0.867	20	1			1			962
amyl hexanoate	1	98				1.418-1.424	20	0.862-0.868	20	1			1,3,5	3,4,5	3	486
amyl isobutyrate	1	98				1.405-1.411	20	0.859-0.865	20	1				4,5		528
amyl isothiocyanate	2	97				1.495-1.501	20	0.942-0.948	20	-				1,4,5		1264
amyl isovalerate	1	98				1.411-1.417	20	0.857-0.863	20	1			3	3,4,5	3,6	261
amyl lactate	1	98				1.422-1.428	20	0.963-0.972	20	1				4,5		1297
amyl laurate	1	98				1.434-1.442	20	0.856-0.864	20	1			3	3,4	3	1339
amyl levulinate	1	98				1.429-1.436	20	0.960-0.967	20	1				4,5		1611
amyl 2-methylbutyrate	1	95				1.409-1.419	20	0.857-0.867	20	1				4,5		741
amyl octanoate	1	98				1.424-1.431	20	0.860-0.866	20	1			1,2,3	3,4,5	3	949
amyl phenylacetate	1	98				1.484-1.490	20	0.979-0.985	20	1			5	4,5		705
amyl propionate	1	98				1.404-1.410	20	0.871-0.877	20	1			2	4,5		855
amyl salicylate	1	98				1.505-1.511	20	1.052-1.058	20	1			2	4,5		1013
amyl valerate	1	98				1.413-1.419	20	0.863-0.869	20	1			2,3,6	3,4,5	3	413
trans-anethole	4	98				1.557-1.563	20	0.981-0.991	20	-			1,2,3,6	3,4,5	3,6	13
anisaldehyde propyleneglycol acetal	1	95				1.516-1.526	20	1.113-1.123	20	1				4,5		529
anisic acid	10,18	95		MP	181-187					-		10	1,3,6	3,4,5	3,6	2175
anisole	2	98				1.514-1.520	20	0.993-0.999	20	-			1,2,3,5,6	3,4,5	3,6	1086
anisyl acetate	1	97				1.511-1.517	20	1.107-1.113	20	1			1,2,3	3,4,5	3	324

表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外・成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR	使用量順位
anisyl alcohol	10,18	97		CP	23-27					–		10	1,2,3,6	3,4,5	3,6	132
anisyl butyrate	1	97				1.500-1.506	20	1.056-1.062	20	1			1	4,5		1239
anisyl formate	1	95				1.517-1.527	20	1.139-1.149	20	1			1,2,6	4,5	6	1069
anisyl propionate	1	95				1.503-1.513	20	1.080-1.090	20	1			1,6	4,5	6	1024
anisylacetone	2	95				1.515-1.525	20	1.043-1.053	20	–			1,2,3	3,4,5	3	675
benzaldehyde diethyl acetal	1	95				1.474-1.484	20	0.963-0.973	20	1			3	3,4,5	3	338
benzaldehyde dimethyl acetal	1	96				1.488-1.498	20	1.014-1.024	20	1			1,3,6	3,4,5	3,6	773
benzaldehyde glyceryl acetal	1	95	異性体合算			1.532-1.542	20	1.184-1.197	20	2			1,2	4		617
benzaldehyde propyleneglycol acetal	1	95				1.506-1.516	20	1.065-1.075	20	1			1,3	3,4,5	3	137
benzenemethanethiol	2	96				1.571-1.581	20	1.052-1.062	20	–			1,3,5,6	3,4,5	3,6	2092
benzophenone	10,18	98		MP	47-52					–		10	1,2,3,5,6	3,4,5	3,6	1393
benzothiazole	2	96				1.637-1.647	20	1.241-1.251	20	–			3	3,4,5	1,3,6	1045
benzyl acetoacetate	1		93			1.498-1.516	20	1.111-1.121	20	3			1	4,5		720
benzyl benzoate	1	98				1.566-1.572	20	1.118-1.124	20	1			1,2,3,5,6	3,4,5	3,6	97
benzyl butyrate	1	98				1.490-1.496	20	1.009-1.015	20	1			1,2,3,5,6	3,4,5	3,6	121
benzyl cinnamate	11,19	98		MP	32-36					1		10	1,2,3,6	3,4,5	3,6	551
benzyl crotonate	3	96				1.518-1.523	20	1.041-1.047	20	1			3	3	3	485
benzyl decanoate	1	95				1.477-1.487	20	0.947-0.957	20	1				4,5		805
benzyl formate	1	95				1.506-1.516	20	1.086-1.096	20	5			1,2,3	3,4,5	3	154
benzyl hexanoate	1	98				1.486-1.492	20	0.979-0.985	20	1				4,5		606
benzyl isoamyl ether	2	97				1.480-1.487	20	0.906-0.914	20	–			5	4,5		1616
benzyl isobutyrate	1	97				1.488-1.492	20	1.004-1.010	20	1			1,2,6	4,5		407
benzyl isoeugenyl ether	12,20	95		MP	55-63					–		10	3	3,4,5	1	433
benzyl isothiocyanate	2	98				1.600-1.606	20	1.124-1.130	20	–			3	3,4,5	1	2053
benzyl isovalerate	1	98				1.482-1.490	20	0.987-0.993	20	1			1,2	4,5		414
benzyl lactate	1	96				1.508-1.518	20	1.121-1.131	20	2				4,5		71
benzyl laurate	1		98			1.479-1.485	20	0.935-0.941	20	1			3	3,4,5	3	1165
benzyl levulinate	1	98				1.503-1.509	20	1.095-1.101	20	1			3	3	3	1331
benzyl methyl disulfide	2	98				1.599-1.607	20	1.118-1.126	20	–			1	4,5	1	2596
benzyl 2-methylbutyrate	1	98				1.485-1.491	20	0.990-0.999	20	1			5	4,5		654
benzyl nonanoate	1	97				1.481-1.487	20	0.953-0.959	20	1				4,5		964
benzyl octanoate	1	95				1.481-1.491	20	0.959-0.969	20	1				4,5		210
benzyl phenylacetate	1	98				1.553-1.559	20	1.098-1.104	20	1			1,2,3,5	3,4,5	3	102
benzyl salicylate	1	95				1.577-1.587	20	1.177-1.187	20	1			1,2,3	3,4,5	3	1006
benzyl valerate	1	95				1.484-1.494	20	0.992-1.002	20	1				4,5		784
beta-angelicalactone	3		98			1.451-1.459	25	1.085-1.095	25	1				4,5	3	2131
beta-damascenone	4	98				1.508-1.514	20	0.944-0.952	20	–			1	4,5		346
beta-damascone	4	90				1.493-1.503	20	0.933-0.943	20	–			1,3	3,4,5	3	423

表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外・成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2			使用量順位
													IR	MS	NMR	
beta-ionol	4	94				1.490-1.510	25	0.920-0.940	20	-			1	4,5	1	2261
beta-pinene	4	95				1.473-1.483	20	0.867-0.877	20	-			6	4,5	1,6	79
bis(2-methyl-3-furyl) disulfide	2	98				1.572-1.583	20	1.207-1.217	20	-					1	908
borneol	12,20	95		MP	200-210					-		10	1,3,5,6	4,5		1138
bornyl acetate	3	95				1.460-1.470	20	0.982-0.992	20	1			1,2	4,5	3	276
butanal diethyl acetal	1	98				1.394-1.400	20	0.827-0.833	20	1				4,5		542
butanal propyleneglycol acetal	1	95				1.406-1.416	20	0.905-0.915	20	1				4		564
2,3-butanediol diacetate	1		98			1.411-1.418	20	1.025-1.034	20	1				4,5		2364
butanethiol	2	97				1.438-1.448	20	0.835-0.845	20	-			1,3,5,6	3,4,5	3,6	2132
2-buten-4-olide	3	98				1.465-1.475	20	1.197-1.212	20	3				4,5	6	1137
3-butenyl isothiocyanate	4	97				1.520-1.526	20	0.990-0.996	20	-				1,4,5		153
2-butoxyethanol	2	99				1.416-1.422	20	0.899-0.905	20	-			3,6	3,4,5	6	245
2-butoxyethyl acetate	1	98				1.411-1.417	20	0.938-0.944	20	1			3,5,6	3,4,5	3,6	194
butyl 10-undecenoate	3	98				1.439-1.445	20	0.871-0.877	20	1			1,5	4,5		505
butyl anthranilate	1	98				1.543-1.549	20	1.064-1.070	20	1			3	3,4,5	1,3	421
butyl benzoate	1	98				1.494-1.500	20	1.005-1.011	20	1			3,5	3,4,5	3	1314
butyl beta-naphthyl ether	10,18	98		MP	31-35	1.577-1.582	20	1.022-1.026	20	-		10		4,5		428
butyl butyryllactate	1	95				1.417-1.427	20	0.971-0.981	20	2			1,2,5,6	4,5		57
butyl crotonate	3	98				1.430-1.436	20	0.897-0.903	20	1			3	3,4,5	3	1407
butyl decanoate	1	98				1.427-1.433	20	0.859-0.865	20	1			3	3,4	3	590
2-butyl ethyl ether	2	97				1.372-1.382	20	0.740-0.750	20	-				4,5	1	274
butyl formate	1	95				1.385-1.395	20	0.889-0.899	20	1			1,3,5,6	3,4,5	3,6	357
butyl heptanoate	1	98				1.418-1.424	20	0.862-0.868	20	1			1	4,5		1190
butyl hexanoate	1	98				1.413-1.419	20	0.865-0.871	20	1			1,3	3,4,5	3,6	208
butyl isobutyrate	1	97				1.400-1.406	20	0.861-0.867	20	1			1,2,3,5	3,4,5	3	469
2-butyl isothiocyanate	2	96				1.488-1.498	20	0.937-0.947	20	-				1,4,5		384
butyl isovalerate	1	98				1.406-1.412	20	0.858-0.864	20	1			1,2,3,6	3,4,5	3	170
butyl lactate	1	95				1.417-1.427	20	0.979-0.989	20	1			1,3,5,6	3,4,5	3,6	195
butyl laurate	1	98				1.432-1.438	20	0.858-0.865	20	1.0			1,3,5	3,4,5	3,6	845
butyl levulinate	1	98				1.425-1.431	20	0.973-0.979	20	1			1,3,5,6	3,4,5	3,6	885
butyl methacrylate	3	99				1.422-1.426	20	0.893-0.899	20	1			3,6	3,4,5	3,6	1106
butyl 2-methylbutyrate	1	98				1.407-1.413	20	0.862-0.868	20	1			1,2,6	4,5	6	243
butyl myristate	1	98				1.436-1.442	20	0.857-0.863	20	1			3,5	3,4,5	3	1452
butyl nonanoate	1	97				1.425-1.431	20	0.860-0.867	20	1				4,5		650
butyl octanoate	1	98				1.422-1.428	20	0.862-0.868	20	1			3,5	4,5	3	519
butyl oleate	3		98			1.449-1.454	20	0.865-0.870	20	1			3,5	3,4,5	3	193
butyl palmitate	1	98				1.439-1.445	20	0.856-0.863	20	1			3	3,4,5	3	1055
butyl phenylacetate	1	98				1.487-1.493	20	0.992-0.998	20	1			1,2,5	4,5		879

表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外・成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR	使用量順位
butyl propionate	1	98				1.398–1.404	20	0.875–0.881	20	1			1,3,5	3,4,5	3,6	70
butyl stearate	9,17	97		MP	25–28					1		10	1,3,5	3,4,5	3	1833
butyl valerate	1	98				1.408–1.414	20	0.866–0.872	20	1			1,5,6	3,4,5	6	434
butyl vanillyl ether	2	98				1.511–1.521	20	1.052–1.072	20	–			1			832
3–butylphthalide	1	95				1.521–1.531	20	1.068–1.078	20	10			1	4	1	2475
camphor	12,20	90		MP	170–182					–		10	1,2,3	3,4,5	3	218
d–camphor	14,22	96		MP	174–182					–	+41 to +45	10	1,2,3,6	3,4,5	3,6	380
3–carene	4	98				1.471–1.477	20	0.854–0.860	20	–			6	4,5	1,6	2087
carvacrol	2	95				1.518–1.528	20	0.974–0.984	20	–			1,2,6	4,5	6	629
carveol	4	95				1.491–1.501	20	0.949–0.959	20	–			1,2,6	4,5	6	234
l–carveol	8	95				1.491–1.501	20	0.949–0.959	20	–	−135 to −118		1,2	4		509
d–carvone	8	96				1.494–1.503	20	0.953–0.963	20	–	+47 to +61		1,2,3,6	3,4,5	3,6	556
l–carvone	8	97				1.495–1.501	20	0.959–0.965	20	–	−62 to −57		1,2,3,6	3,4,5	3,6	3
carvone oxide	4	94				1.477–1.487	20	1.035–1.045	20	–				1,4,5	1	722
l–carvyl acetate	7	95	異性体合算 含有比：cis–体 60%, trans–体 40%			1.471–1.481	20	0.967–0.977	20	1	−120 to −90		1	4	6	2288
carvyl acetate	3	95				1.470–1.481	20	0.967–0.980	20	1	−128 to −90		1,2,3,6	3,4,5	3,6	412
carvyl formate	3	95	異性体合算			1.477–1.487	20	0.987–0.997	20	1			3	3	3	1097
carvyl isovalerate	3	97	異性体合算			1.467–1.473	20	0.936–0.942	20	1			3	3		1212
carvyl propionate	3	98				1.471–1.477	20	0.958–0.964	20	1			1,5,6	4,5	6	1332
catechol diethyl ether	10,18	98		MP	42–46					–		10	3,5	3,4,5	3	2620
cinnamaldehyde diethyl acetal	3	96				1.510–1.520	20	0.973–0.983	20	1			3	3		903
cinnamaldehyde dimethyl acetal	3	95				1.527–1.537	20	1.016–1.026	20	1			5	4		1465
cinnamaldehyde propyleneglycol acetal	3	95				1.542–1.552	20	1.059–1.069	20	1				4		580
cinnamyl benzoate	11,19	98		MP	31–35					1		10	1			1284
cinnamyl butyrate	3	95				1.523–1.533	20	1.012–1.025	20	1			1,2	4,5		859
cinnamyl cinnamate	11,19		95	MP	40–46	1.612–1.622	20	1.099–1.109	20	1		10	1,2	4,5		724
cinnamyl formate	3	92				1.548–1.558	20	1.078–1.088	20	3			1,2,6	4,5		1275
cinnamyl isobutyrate	3	96				1.519–1.529	20	1.005–1.015	20	3			1,2	4,5		300
cinnamyl isovalerate	3	95				1.514–1.524	20	0.989–0.999	20	1			1,2,3,5,6	3,4,5	3,6	459
cinnamyl propionate	3	97				1.531–1.537	20	1.032–1.039	20	1			1,2	4,5		686
cinnamyl valerate	3		98			1.518–1.525	20	0.998–1.005	20	1				4,5		1472
cis,cis–3,6–nonadienol	4	95				1.463–1.473	20	0.866–0.876	20	–			1,3	3	1,3	429
citral diethyl acetal	3	95				1.446–1.459	20	0.864–0.882	20	2			1,6	4,5		574
citral propyleneglycol acetal	3	95	異性体合算			1.466–1.476	20	0.925–0.935	20	1				4		306
l–citronellol	8	95				1.453–1.463	20	0.853–0.863	20	–	−6 to −3		1,3,6	3,4,5	3,6	2289

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citronellyl hexanoate	3		98			1.444-1.450	20	0.874-0.880	20	1			3			1027
citronellyl isobutyrate	3		98			1.438-1.445	20	0.873-0.883	20	1			1,2	4		316
citronellyl isovalerate	3		98(ただしtetrahydrogeranyl isovalerateを含む)			1.440-1.446	20	0.871-0.877	20	1			3	3,4	3	536
citronellyl phenylacetate	3		98			1.492-1.499	20	0.958-0.965	20	1				4,5	1	1276
citronellyl propionate	3		95			1.440-1.450	20	0.880-0.890	20	1			1,2	4,5		468
citronellyl tiglate	3		98			1.460-1.468	20	0.901-0.909	20	1			6	1,4	6	1076
creosol	2	95				1.531-1.541	20	1.089-1.099	20	–			1,3	3,4,5	3,6	569
crotonic acid	12,20		98	MP	70-74					–		10	3,5	3,4,5	1,3	1139
cuminaldehyde	1	95				1.527-1.534	20	0.974-0.984	20	5			1,2,3	3,4,5	3,6	297
cyclamen aldehyde	1	95	異性体合算			1.501-1.511	20	0.945-0.958	20	5			1,2,5	4,5		926
cyclohexanethiol	2	90				1.488-1.498	20	0.944-0.954	20	–			3.5.6	3,4,5	3.6	1329
cyclohexanone	2	98				1.447-1.453	20	0.944-0.950	20	–			1,3,5,6	1,3,4,5	1,3,6	1437
cyclohexanone diethyl acetal	1	95				1.432-1.442	20	0.911-0.921	20	1			3	3	3	573
cyclohexyl anthranilate	1	97				1.559-1.569	20	1.101-1.112	20	1			5	4,5	1	1485
cyclohexyl isobutyrate	1	98				1.435-1.441	20	0.930-0.936	20	1				4,5		1376
cyclohexyl isovalerate	1	98				1.439-1.445	20	0.925-0.931	20	1			3	3,4,5	1,3,6	649
cyclohexyl propionate	1	98				1.439-1.445	20	0.953-0.962	20	1			3,5	3,4,5	1,3	1115
2-cyclohexylethyl acetate	1	97				1.445-1.451	20	0.948-0.954	20	1			3,6	3,4,5	1,3,6	1434
cyclopentanone	2	98				1.434-1.440	20	0.948-0.958	20	–			1,3,5,6	1,4,5	1,3,6	1152
2-cyclopentylcyclopentanone	2	97				1.475-1.481	20	0.975-0.983	20	–			3	3,4,5	3	1312
cyclotene	12,20	95		MP	104-108					–		20	2,3	3,4,5	3	31
cyclotene butyrate	3	98				1.476-1.482	20	1.063-1.069	20	1				4,5		1298
cyclotene isobutyrate	3	97				1.472-1.479	20	1.053-1.061	20	2				4		641
damascenone	4	98				1.508-1.514	20	0.944-0.952	20	–			1	4		307
delta-damascone	4	95	異性体合算			1.485-1.495	20	0.927-0.937	20	–			1	4		974
dl-borneol	12,20	95		MP	200-208					–		10	1,3,5,6	4,5		125
dl-camphor	12,20	90		MP	170-182					–		10	1,2	4,5		143
2,4-decadienal	3	90				1.510-1.523	20	0.866-0.876	20	10			1,2	4,5		513
2,4-decadien-5-olide	3	96				1.500-1.510	20	1.000-1.020	20	5			1	4,5	6	878
delta-decalactone	1	95				1.453-1.463	20	0.967-0.977	20	5			1,2,3	3,4,5	3,6	7
decanal diethyl acetal	1	95				1.439-1.449	20	0.834-0.844	20	1				4,5		484
decanal dimethyl acetal	1	95				1.420-1.430	20	0.845-0.855	20	1			1	4,5		356
decanal propyleneglycol acetal	1	98	異性体合算			1.433-1.439	20	0.881-0.887	20	1			1	1	1	303
decanoic acid	10,18		98	CP	29-35					–		10	1,3,6	3,4,5	3,6	32
3-decanol	2	98				1.433-1.440	20	0.826-0.832	20	–			1,3	3,4,5	3	771
2-decanone	2	95				1.421-1.431	20	0.821-0.831	20	1				4,5		437

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trans-2-decenal	3	92				1.450-1.462	20	0.839-0.851	20	10			1,2	4,5	6	750
2-decenal	3	92				1.450-1.462	20	0.839-0.851	20	10			1,2(trans)	4,5	6(trans)	1063
9-decenal	3	98				1.437-1.443	20	0.843-0.849	25	5			1	1	1	2172
cis-4-decenal	3	95	異性体合算			1.442-1.447	20	0.843-0.850	20	5			1,5	4,5		2067
trans-4-decenal	3		92			1.437-1.450	20	0.840-0.850	20	5			3	3	3	969
9-decenoic acid	4	94				1.442-1.452	20	0.912-0.922	20	-			1,3	3,4,5	3	374
2-decenoic acid	4		95			1.455-1.465	20	0.920-0.930	20	-			3	3,4,5	1	754
trans-2-decenoic acid	4		95			1.455-1.465	20	0.920-0.930	20	-			3	3,4,5	1	1111
4-decenoic acid	4		97			1.445-1.452	20	0.912-0.920	20	-			1	1,4,5	1	142
trans-4-decenoic acid	4		98			1.445-1.452	20	0.913-0.920	20	-			1	1,4	1	160
cis-4-decenol	4	95				1.449-1.455	20	0.844-0.850	25	-			5	1,4,5		2264
trans-2-decenol	4	95				1.446-1.452	20	0.838-0.848	20	-				1,4,5		2299
cis-7-decen-5-olide	3	92				1.470-1.480	20	0.995-1.007	20	5			1	4		1179
2-decen-5-olide	3	93				1.465-1.480	20	0.981-0.991	20	10				4,5		215
7-decen-5-olide	3	94				1.471-1.481	20	0.995-1.007	20	5.0				4		475
8-decen-5-olide	3	95				1.470-1.480	20	0.975-1.007	20	5			3		3	1065
decyl acetate	1	95				1.423-1.433	20	0.861-0.871	20	1			1	4,5		480
decyl butyrate	1	97				1.427-1.433	20	0.859-0.865	20	1			1	4,5	6	986
decyl isobutyrate	1	97				1.426-1.433	20	0.853-0.861	20	1			3	3,4	3	1628
decyl propionate	1	96				1.424-1.434	20	0.858-0.868	20	1			1	4,5		884
dehydronootkatone	4	95				1.559-1.569	20	1.004-1.024	20	-				4	1	448
1,2-di[(1'-ethoxy)ethoxy]propane	2	98				1.408-1.414	20	0.914-0.924	20	-					1	3127
diacetyl	2	95				1.390-1.400	20	0.980-0.990	20	-			1,2,3,6	3,4,5	3,6	49
diallyl adipate	3	98				1.449-1.156	20	1.019-1.026	20	1			3	3,4,5	3	1872
diallyl disulfide	4	95	sum of diallyl disulfide(80%), diallyl sulfide(10%), diallyl trisulfide (5%)			1.537-1.550	20	0.998-1.015	20	-			1,3,5	3,4,5	3	305
diallyl sulfide	4	97				1.487-1.493	20	0.885-0.895	20	-			1,3,6	3,4,5	3,6	768
dibenzyl disulfide	10,18	98		MP	69-73					-		10	1,3,5	3,4,5	3,6	1388
dibutyl sebacate	1	98				1.439-1.445	20	0.935-0.941	20	1			1,3	3,4,5	3	596
dibutyl succinate	1	98				1.428-1.434	20	0.975-0.981	20	1			3	3,4,5	3	1046
dibutyl sulfide	2	95				1.448-1.458	20	0.835-0.845	20	-			1,3,5	3,4,5	1,3,6	1399
3,5-diethyl-1,2,4-trithiolane	2	95	異性体合算			1.558-1.570	20	1.147-1.160	20	-				4,5	1	2466
diethyl adipate	1	98				1.425-1.431	20	1.005-1.011	20	1			3,6	3,4,5	3,6	174
diethyl carbonate	1	98				1.380-1.390	20	0.970-0.980	20	1			3,6	3,4,5	3,6	636
diethyl diethylmalonate	1	98				1.418-1.428	20	0.983-0.993	20	1			3,5,6	3,4,5	3,6	945

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													IR	MS	NMR	
diethyl malate	1	98				1.433–1.439	20	1.126–1.132	20	3				1,4		122
diethyl maleate	3	98				1.437–1.443	20	1.066–1.072	20	1			2,3,5	3,4,5		674
diethyl malonate	1	98				1.411–1.417	20	1.054–1.060	20	1			1,2,3,6	3,4,5	3,6	24
diethyl oxalate	1	96				1.405–1.415	20	1.075–1.085	20	1			3,5,6	3,4,5	3,6	630
diethyl sebacate	1	98				1.434–1.440	20	0.962–0.968	20	1			1,2,3,5,6	3,4,5	3	103
diethyl succinate	1	98				1.417–1.423	20	1.040–1.046	20	1			1,2,3,6	3,4,5	3,6	130
diethyl sulfide	2	96				1.440–1.450	20	0.832–0.842	25	–			1,3,5,6	3,4,5	3,6	2647
diethyl tartarate	1	97				1.443–1.449	20	1.203–1.210	20	3			3,5,6	3,4,5	3,6	252
difurfuryl disulfide	2	95				1.582–1.600	20	1.230–1.250	20	–			3,6	3,4,5	1,3,6	128
5,6–dihydro–2,4,6–trimethyl–1,3,5–dithiazine	10,18	95		MP	42–48					–		10	1	1,4,5	1	3076
dihydroactinidiolide	3	95				1.495–1.501	20	1.052–1.062	20	10				4,5	1	634
2,3–dihydrobenzofuran	2	95				1.538–1.548	20	1.053–1.063	25	–			3,5,6	3,4,5	3,6	2150
dihydrocarveol	4	94	異性体合算			1.474–1.484	20	0.920–0.936	20	–			1,3	3,4,5	6(mixture)	461
dihydrocarvone	4	95				1.467–1.477	20	0.922–0.932	20	–			1,2,3	3,4,5	3	190
dihydrocarvyl acetate	3	95				1.456–1.466	20	0.944–0.954	20	1			1,3,6	3,4,5	6	464
dihydrocoumarin	1	97				1.550–1.560	20	1.188–1.198	20	1			1,2,3,6	3,4,5	3,6	1082
dihydrojasmone	4	98				1.476–1.482	20	0.913–0.919	20	–			3	4,5	1,3,6	1150
5,7–dihydro–2–methylthieno[3,4–d]pyrimidine	10,18	98		MP	61–65					–		10			1	1182
dihydroterpineol	2	95	異性体合算			1.460–1.475	20	0.905–0.915	20	–				4,5		3099
1,3–dihydroxyacetone	10,18	97	(monomer and dimer)	MP	75–80					–		10	5	4,5		1698
2,6–dihydroxyacetophenone	10,18	91		MP	152–158					–		10	1,5	4,5		2378
2,5–dihydroxy–2,5–dimethyl–1,4–dithiane	10,18	95		MP	79–85					–		10	3	3	1,3	555
diisoamyl disulfide	2	96				1.481–1.491	20	0.912–0.922	20	–			3,5	3,4,5	3	2274
diisoamyl ether	2	98				1.404–1.410	20	0.774–0.780	20	–			3,6	3,4,5	3,6	825
diisobutyl adipate	1	98				1.428–1.434	20	0.950–0.956	20	1			3,6	3,4,5	3	735
diisopropyl adipate	1	98				1.423–1.427	20	0.963–0.968	20	1			3	3,4,5	3	298
diisopropyl disulfide	2	95				1.486–1.496	20	0.939–0.949	20	–			1,3,6	3,4,5	6	3072
diisopropyl sulfide	2	98				1.435–1.442	20	0.810–0.818	20	–			3,6	3,4,5	3,6	1205
3,4–dimethoxyacetophenone	10,18	98		MP	49–54					–		10	3,6	3,4,5,6	3	3101
3,4–dimethoxybenzaldehyde	9,17	95		MP	40–48					5		10	1,3,6	3,4,5	3,6	325
1,2–dimethoxybenzene	2	97				1.528–1.538	20	1.082–1.092	20	–			1,3,6	3,4,5	1,3,6	1238
1,3–dimethoxybenzene	2	97				1.521–1.527	20	1.060–1.074	20	–			3	3,4,5	1,3	672
1,4–dimethoxybenzene	10,18	97		MP	53–57					–		10	3	3,4,5	1,3	966
2,3–dimethoxybenzyl alcohol	10,18	98		MP	47–51					–		10	3,5,6	3,4,5	3,6	3138
2,6–dimethoxyphenol	10,18	95		MP	52–56					–		10	1,2,3,6	3,4,5	3,6	430
2,2–dimethyl–5–(1–methyl–1–propenyl)tetrahydrofuran	4	95				1.442–1.452	20	0.862–0.872	20	–				4,5	1	1034

表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外・成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR	使用量順位
3,4-dimethyl-1,2-cyclopentanedione	10,18	95		MP	65-71					-		10	1			311
3,5-dimethyl-1,2-cyclopentanedione	10,18	95		MP	87-93					-		10	3	1,3	3	401
3,7-dimethyl-1,6-nonadien-3-ol	4	97	異性体合算			1.458-1.468	20	0.861-0.867	20	-				4,5		706
3,7-dimethyl-1,5,7-octatrien-3-ol	4	94				1.486-1.497	20	0.878-0.892	20	-			1	1,4,5	1	1197
2,5-dimethyl-3(2h)-furanon-4-yl acetate	1	95				1.472-1.482	20	1.162-1.172	20	特例除外					1	230
2,4-dimethyl-3-cyclohexenylcarbaldehyde	3	98	sum of 2,4- and 3,5-			1.469-1.475	20	0.933-0.939	20	5			3	3,4	3	755
2,6-dimethyl-2-heptanol	2	98				1.423-1.429	20	0.814-0.820	20	-				4,5		2156
2,6-dimethyl-4-heptanone	2	98				1.410-1.416	20	0.809-0.815	20	-			1,3,5,6	3,4,5	3,6	1490
2,6-dimethyl-5-heptenal propyleneglycol acetal	3	97	異性体合算			1.447-1.453	20	0.910-0.916	20	1				1		932
2,6-dimethyl-4-heptyl acetate	1		98			1.411-1.417	20	0.850-0.857	20	1				4,5		1710
2,5-dimethyl-4-hydroxy-3(2H)-furanone	12,20	98		MP	73-83					-		20	1,2,6	1,4,5	1,6	34
4,5-dimethyl-2-isobutyl-3-thiazoline	2	97	異性体合算			1.483-1.489	20	0.945-0.955	20	-			1	1	1	2249
dimethyl disulfide	2	97				1.519-1.531	20	1.058-1.068	20	-			1,3,5	4,5	6	449
dimethyl malonate	1	98				1.411-1.417	20	1.153-1.159	20	1			3,6	3,4,5	3,6	560
dimethyl succinate	1	98				1.418-1.422	20	1.119-1.125	20	1			1,3,5,6	3,4,5	3,6	262
dimethyl sulfide	2	98				1.430-1.440	20	0.844-0.854	20	-			1,2,3,6	3,4,5	3,6	5
2,4-dimethylbenzaldehyde	1	97				1.547-1.553	20	0.959-0.965	20	10			3,5,6	3,4,5	1,3,6	2368
2,6-dimethylbenzenethiol	2	97				1.568-1.578	20	1.037-1.047	20	-			1,5	1,4,5	1,6	2217
2,3-dimethylbenzofuran	2		98			1.552-1.558	20	1.038-1.044	20	-				4	1	3068
2,5-dimethylfuran	2	98				1.438-1.448	20	0.895-0.904	20	-			1,3,5,6	1,3,4,5	1,3,6	637
2,5-dimethylfuran-3-thiol	2	90				1.500-1.520	20	1.052-1.068	20	-			1	4		2373
3,7-dimethyloctanol	2	97				1.431-1.441	20	0.826-0.836	20	-			1,2,3,5,6	3,4,5	3,6	378
3,7-dimethyloctyl acetate	1	95				1.421-1.431	20	0.861-0.871	20	1			3	3,4,5	3	1403
3,4-dimethylphenol	10,18	97		MP	62-69					-		10	1,3,6	3,4,5	3,6	554
2,5-dimethylphenol	10,18	98		MP	74-78					-		10	1	4,5	6	1038
2,6-dimethylphenol	10,18	98		MP	43-48					-		10	1.3.5	3,4,5	3	1357
2,4-dimethylthiazole	2	95				1.502-1.514	20	1.054-1.065	20	-				4,5		1210
4,5-dimethylthiazole	2	97				1.515-1.525	20	1.065-1.075	20	-			3,6	3,4,5	1,3,6	2109
2,4-dimethyl-4-nonanol	2	90				1.433-1.437	25	0.826-0.834	25	-				1,3	3	312
3,7-dimethyl-3-octanol	2	98				1.430-1.436	20	0.827-0.833	20	-			1,3,5,6	3,4,5	3,6	1328
3,7-dimethyl-6-octen-3-ol	4	97				1.449-1.459	20	0.850-0.860	20	-				4		568
2,6-dimethyl-7-octen-2-ol	4	99				1.437-1.443	20	0.820-0.840	20	-			3,6	3,4,5	6	2103
2,6-dimethyl-7-octen-2-yl acetate	3	97				1.427-1.435	20	0.870-0.880	20	1			5	5		441
2,4-dimethyl-3-pentanone	2	95				1.395-1.405	20	0.800-0.810	20	-			3,5	3,4,5	3	2050
dinonyl sulfide	2	97				1.460-1.466	20	0.842-0.848	20	-			3	3,4,5	3	3009
dioctyl adipate	1	98				1.444-1.450	20	0.924-0.930	20	1			3,6	3,4,5	3,6	1047

表示名	判断樹番号	含量(%)(GC)	含量(%)(GC以外・成分情報)	融点区分*1	融点又は凝固点(℃)	屈折率	屈折率温度	比重	比重温度	酸価	旋光度又は比旋光度	重金属(μg/g)	確認試験*2 IR	MS	NMR	使用量順位
diosphenol	10,18	98		MP	78-85					-		10		4,5		1516
1,4-dioxacycloheptadecane-5,17-dione	1	93				1.466-1.476	20	1.041-1.051	20	-			1,2,5	4,5		543
diphenyl disulfide	10,18	98		MP	58-62					-		10	1	4,5		1351
diphenyl ether	10,18	98		MP	26-30					-		10	2,3,6	3,4,5	1,3,6	492
dipropyl adipate	1	98				1.429-1.433	20	0.979-0.983	20	1			3,5	3,4,5		364
dipropyl disulfide	2	97				1.493-1.501	20	0.956-0.962	20	-			1,3,6	3,4,5	3,6	592
dipropyl sulfide	2	98				1.446-1.454	20	0.835-0.845	20	-			3,5,6	3,4,5	3,6	2181
2,4-dodecadienal	3	91	(E,E-:min90, E,Z-:0.1-9.0)			1.505-1.515	20	0.862-0.872	20	10				4,5		2153
dodecahydro-3a,6,6,9a-tetramethylnaphtho[2,1-b]furan	10,18	99		MP	74-78					-		10			1	3223
delta-dodecalactone	1	97				1.457-1.463	20	0.948-0.954	20	8			1,2,3	3,4,5	3,6	4
dodecanal	1	90				1.430-1.440	20	0.826-0.836	20	10			1,2,5,6	4,5		266
dodecanal dimethyl acetal	1	98				1.428-1.434	20	0.847-0.853	20	1				1,4,5		823
dodecanethiol	2	95				1.454-1.464	20	0.842-0.852	20	-			3,6	3,4,5	3,6	1230
dodecanol	10,18	97		CP	23-27					-		10	1,2,3,5,6	3,4,5	3,6	270
2-dodecanone	10,18	98		MP	18-24					-		10	6	4,5		666
trans-2-dodecenal	3	95	異性体合算			1.452-1.462	20	0.843-0.853	20	10			1,2	4,5		916
2-dodecenal	3		95			1.452-1.462	20	0.843-0.853	20	10			1,2	4,5		1009
11-dodecenoic acid	4	95				1.447-1.457	20	0.905-0.915	20	-			3	1,3	3	355
cis-6-dodecen-4-olide	3	95				1.463-1.471	20	0.955-0.965	20	5				4,5	1	1070
dodecyl acetate	1	97				1.430-1.436	20	0.862-0.868	20	1			1,3,5,6	3,4,5	3,6	292
dodecyl butyrate	1	98				1.433-1.438	20	0.857-0.862	20	1			5	1,4,5	1	525
dodecyl isobutyrate	1	97				1.430-1.438	20	0.852-0.859	20	1			1	4		1366
dodecyl propionate	1	98				1.432-1.436	20	0.860-0.866	20	1			1,3	1,3	1,3	287
dl-rose oxide	4	95				1.450-1.460	20	0.867-0.883	20	-				4,5	1	786
epsilon-decalactone	1	98				1.458-1.465	20	0.976-0.982	20	3			1	4,5		548
epsilon-dodecalactone	1	98				1.459-1.466	20	0.952-0.958	20	3			1	4,5		905
estragole	4	97				1.518-1.524	20	0.963-0.971	20	-			1,2,3,5,6	1,3,4,5	3,6	321
1,2-ethanedithiol	2	98				1.556-1.562	20	1.124-1.134	20	-			1,3	3,4,5	1,3,6	1177
ethanethioic acid	2	95				1.458-1.468	20	1.064-1.074	20	-			1,6	1,3,4,5	1,3,6	947
ethanethiol	2	98				1.428-1.435	20	0.837-0.843	20	-			1,3,5,6	3,4,5	1,3,6	1438
2-ethenyl-5-isopropenyl-2-methyltetrahydrofuran	4	97	異性体合算			1.449-1.455	20	0.873-0.879	20	-				4	1	3148
5-ethenyl-4-methylthiazole	4	97				1.560-1.570	20	1.091-1.100	20	-			3,6	3,4,5	1,3,6	1003
2-ethoxy-5-(1-propenyl)phenol	12,20	97		MP	84-88					-		10	1,2,6	4,5	6	271
2-ethoxy-3(5)(6)-methylpyrazine	2	99				1.491-1.497	20	1.033-1.037	25	-			1,5	5	6	1108
2-ethoxy-3(5)-methylpyrazine	2	98				1.493-1.499	20	1.032-1.038	20	-			1	4,5	6	2394
4-ethoxybenzaldehyde	1	98				1.556-1.562	20	1.080-1.086	20	3			1,3,5	3,4,5	3,6	1374