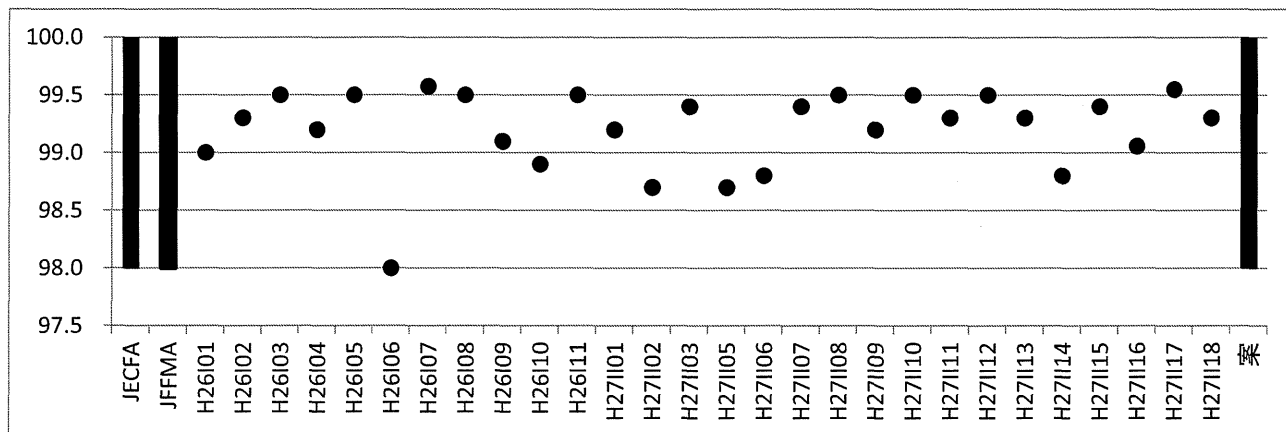


2, 6, 6-Trimethylcyclohex-2-ene-1, 4-dione

含量：JECFA 規格を採用した。

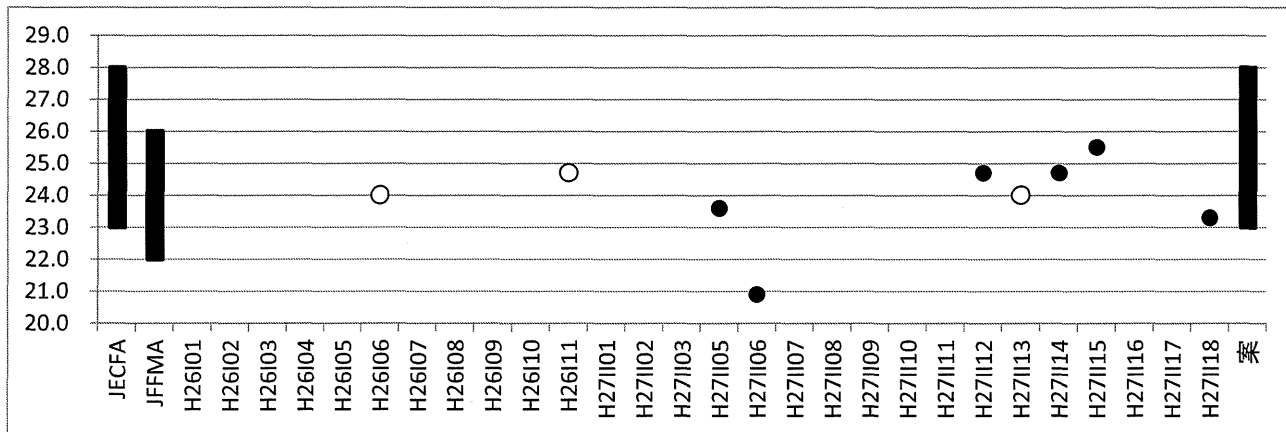
融点：外れ値があるが、JECFA 規格を採用した。

含量



■□:規格、●○:実測値、それぞれ黒塗りはGC法、斜線は異性体合算、白抜きは化学法

融点・凝固点



■□:規格、●○:実測値、それぞれ黒塗りは融点、白抜きは凝固点

資料 5 実測値（I）の調査品目リストおよび
調査項目一覧表

JECFA No	SEQ	FEMA	CAS	第2品目名	使用有無	ロット	含量 (GC法%)	含量 (化学法%)
1	123	2040	2408-20-0	allyl propionate				
2	98	2021	2051-78-7	allyl butyrate				
7	112	2045	2835-39-4	allyl isovalerate				
11	91	2029	7493-69-8	allyl 2-ethylbutyrate				
19	99	2022	1866-31-5	allyl cinnamate				
55	1933	2776	2142-94-1	neryl formate				
67	1931	2774	999-40-6	neryl butyrate				
72	1006	2513	2345-26-8	geranyl isobutyrate				
73	1934	2775	2345-24-6	neryl isobutyrate				
75	1007	2518	109-20-6	geranyl isovalerate				
106	2460	3097	112-42-5	undecanol				
108	2458	3245	112-37-8	undecanoic acid				
119	150	2068	638-49-3	amyl formate				
124	1344	2197	542-55-2	isobutyl formate				
139	45	3326	67-64-1	acetone				
140	907	2425	10031-87-5	2-ethylbutyl acetate				
156	520	2368	5454-09-1	decyl butyrate				
160	316	2217	591-68-4	butyl valerate				
174	161	2079	638-25-5	amyl octanoate				
179	1688	2724	1731-84-6	methyl nonanoate				
182	1304	2077	6309-51-9	isoamyl laurate				
187	2228	2936	644-49-5	propyl isobutyrate				
197	2230	2960	557-00-6	propyl isovalerate				
210	1400	3699	66576-71-4	isopropyl 2-methylbutyrate				
241	719	3613	5579-78-2	epsilon-decalactone				
245	2090	3696	27593-23-3	2,4-decadien-5-olide				
247	516	3745	25524-95-2	7-decen-5-olide				
250	1652	3786	7011-83-8	4-methyldecan-4-olide				
256	905	2426	97-96-1	2-ethylbutanal				

JECFA No	SEQ	FEMA	CAS	第2品目名	使用有無	ロット	含量 (GC法%)	含量 (化学法%)
265	1843	3191	4536-23-6	2-methylhexanoic acid				
268	2437	3324	3452-97-9	3,5,5-trimethylhexanol				
269	2434	3524	5435-64-3	3,5,5-trimethylhexanal				
271	1852	3575	54947-74-9	4-methyloctanoic acid				
285	821	2545	106-35-4	3-heptanone				
287	682	2546	123-19-3	4-heptanone				
289	2020	2801	123-96-6	2-octanol				
293	1962	3315	628-99-9	2-nonanol				
301	1663	2731	108-10-1	4-methyl-2-pentanone				
304	1408	2944	625-55-8	isopropyl formate				
309	1411	2937	617-50-5	isopropyl isobutyrate				
310	1413	2961	32665-23-9	isopropyl isovalerate				
313	2045	3583	4864-61-3	3-octyl acetate				
322	2039	3722	64275-73-6	cis-5-octenol				
330	2464	3095	112-45-8	10-undecenal				
331	2470	3247	112-38-9	10-undecenoic acid				
335	780	3342	2396-83-0	ethyl 3-hexenoate				
336	-	3689	61444-38-0	cis-3-hexenyl cis-3-hexenoate				
341	886	3642	76649-16-6	ethyl trans-4-decenoate				
343	734	2461	692-86-4	ethyl 10-undecenoate				
344	315	2216	109-42-2	butyl 10-undecenoate				
358	1480	2642	115-99-1	linalyl formate				
360	1486	2645	144-39-8	linalyl propionate				
377	569	3565	5948-04-9	dihydrocarvone				
378	568	2379	619-01-2	dihydrocarveol				
379	570	2380	20777-49-5	dihydrocarvyl acetate				
381	343	2247	99-48-9	carveol				
382	350	2250	97-42-7	carvyl acetate				
394	567	3626	17283-81-7	7,8-dihydro-beta-ionone				

JECFA No	SEQ	FEMA	CAS	第2品目名	使用有無	ロット	含量 (GC法%)	含量 (化学法%)
398	1794	2711	127-42-4	alpha-methylionone				
406	41	3526	4906-24-5	acetoin acetate				
413	1082	3168	4437-51-8	3,4-hexanedione				
414	57	3190	13706-86-0	5-methyl-2,3-hexanedione				
415	1036	2543	96-04-8	2,3-heptanedione				
416	1255	2587	496-77-5	5-hydroxy-4-octanone				
430	1393	3460	491-07-6	isomenthone				
455	543	2215	544-40-1	dibutyl sulfide				
458	536	2042	592-88-1	diallyl sulfide				
467	1876	3374	16630-52-7	3-(methylthio)butanal				
482	1549	3876	1534-08-3	methyl ethanethioate				
483	878	3282	625-60-5	ethyl ethanethioate				
489	1717	3862	2432-77-1	methyl hexanethioate				
499	1863	3512	13679-85-1	2-methyltetrahydrothiophen-3-one				
500	1874	3376	23550-40-5	4-(methylthio)-4-methyl-2-pentanone				
509	2233	3521	107-03-9	propanethiol				
510	1417	3897	75-33-2	2-propanethiol				
511	262	3478	109-79-5	butanethiol				
517	1805	3304	2084-18-6	3-methyl-2-butanethiol				
526	233	2147	100-53-8	benzenemethanethiol				
543	2444	3475	828-26-2	hexamethyl-1,3,5-trithiane				
544	2876	3854	34300-94-2	3-mercapto-3-methylbutanol				
546	1535	3502	37887-04-0	3-hydroxybutane-2-thiol				
547	1534	3509	54957-02-7	3-[(2-mercapto-1-methylpropyl)thio]-2-butanol				
548	1558	3785	94087-83-9	4-methoxy-2-methylbutane-2-thiol				
549	1538	3855	50746-10-6	3-mercapto-3-methylbutyl formate				
552	760	3279	19788-49-9	ethyl 2-mercaptopropionate				
554	1543	3851	136954-20-6	3-mercaptohexyl acetate				
560	1537	3300	67633-97-0	3-mercapto-2-pentanone				

JECFA No	SEQ	FEMA	CAS	第2品目名	使用有無	ロット	含量 (GC法%)	含量 (化学法%)
562	591	3450	55704-78-4	2,5-dihydroxy-2,5-dimethyl-1,4-dithiane				
566	2222	3228	629-19-6	dipropyl disulfide				
610	1272	2586	107-74-4	hydroxycitronellol				
622	557	2378	87-91-2	diethyl tartarate				
626	911	3543	105-95-3	1,4-dioxacycloheptadecane-5,17-dione				
646	2159	2889	501-52-0	3-phenylpropionic acid				
652	382	2296	103-61-7	cinnamyl butyrate				
671	2107	2863	103-53-7	phenethyl cinnamate				
673	383	2298	122-69-0	cinnamyl cinnamate				
691	421	3480	95-48-7	2-methylphenol				
692	420	3530	108-39-4	3-methylphenol				
697	1440	3461	88-69-7	2-isopropylphenol				
699	2400	3073	140-39-6	4-methylphenyl acetate				
705	428	3077	101-94-0	4-methylphenyl phenylacetate				
706	2510	3595	95-87-4	2,5-dimethylphenol				
707	668	3249	576-26-1	2,6-dimethylphenol				
756	1444	2965	89-49-6	isopulegyl acetate				
758	1510	3235	494-90-6	menthofuran				
785	69	3250	32974-92-8	2-acetyl-3-ethylpyrazine				
786	67	3327	72797-17-2	2-acetyl-3,5(3,6)-dimethylpyrazine				
788	1557	3183	2847-30-5	2-methoxy-3(5)(6)-methylpyrazine				
793	725	3569	32737-14-7	2-ethoxy-3(5)(6)-methylpyrazine				
827	1374	2208	7779-78-4	4-methyl-1-phenyl-2-pentanol				
833	2141	3226	579-07-7	1-phenyl-1,2-propanedione				
848	214	2136	5396-89-4	benzyl acetoacetate				
857	1292	2058	94-46-2	isoamyl benzoate				
880	1589	2717	606-45-1	methyl 2-methoxybenzoate				
884	1629	2679	121-98-2	methyl anisate				
888	2495	3796	82654-98-6	butyl vanillyl ether				

JECFA No	SEQ	FEMA	CAS	第2品目名	使用有無	ロット	含量 (GC法%)	含量 (化学法%)
940	23	3426	534-15-6	acetaldehyde dimethyl acetal				
942	2014	2798	10022-28-3	octanal dimethyl acetal				
956	1259	3984	123-08-0	4-hydroxybenzaldehyde				
975	2097	3561	15111-96-3	perillyl acetate				
981	1909	3439	515-00-4	myrtenol				
988	2110	2864	104-62-1	phenethyl formate				
995	2112	3221	6290-37-5	phenethyl hexanoate				
996	2119	3222	5457-70-5	phenethyl octanoate				
997	2125	2870	55719-85-2	phenethyl tiglate				
1020	1009	2516	102-22-7	geranyl phenylacetate				
1028	2132	2873	103-60-6	2-phenoxyethyl isobutyrate				
1035	674	3274	3581-91-7	4,5-dimethylthiazole				
1044	792	3680	15679-12-6	2-ethyl-4-methylthiazole				
1049	2417	4018	638-17-5	5,6-dihydro-2,4,6-trimethyl-1,3,5-dithiazine				
1051	64	3527	2530-10-1	3-acetyl-2,5-dimethylthiophene				
1062	1621	3366	13678-59-6	methyl 5-methyl-2-furyl sulfide				
1066	246	3259	28588-75-2	bis(2-methyl-3-furyl) disulfide				
1080	561	3238	13678-67-6	difurfuryl sulfide				
1083	1596	3311	13679-61-3	methyl 2-thiofuroate				
1088	779	3674	94278-27-0	ethyl 3-(furfurylthio)propionate				
1108	2427	3473	2408-37-9	2,2,6-trimethylcyclohexanone				
1124	2083	3417	625-33-2	3-penten-2-one				
1131	1548	3368	141-79-7	4-methyl-3-penten-2-one				
1133	1738	3761	81925-81-7	5-methyl-2-hepten-4-one				
1134	1839	3363	1604-28-0	6-methyl-3, 5-heptadien-2-one				
1146	2088	4012	626-38-0	2-pentyl acetate				
1148	2025	3515	4312-99-6	1-octen-3-one				
1162	1900	3764	38049-04-6	menthalactone				
1165	2289	3794	564-20-5	sclareolide				

JECFA No	SEQ	FEMA	CAS	第2品目名	使用有無	ロット	含量 (GC法%)	含量 (化学法%)
1168	2256	2952	17369-59-4	3-propylidene-1-(3H)-isobenzofuranone				
1175	1080	3429	142-83-6	trans,trans-2,4-hexadienal				
1181	2006	3721	30361-28-5	trans,trans-2,4-octadienal				
1184	-	2780	7786-44-9	2,6-nonadienol				
1195	2448		13162-46-4	2,4-undecadienal				
1206	1342	3432	589-66-2	isobutyl crotonate				
1212	1840	2706	1188-02-9	2-methylheptanoic acid				
1231	285	3131	2679-87-0	2-butyl ethyl ether				
1236	1463	3735	7392-19-0	2,2,6-trimethyl-6-ethenyltetrahydropyran				
1243	1796	2681	104-93-8	1-methoxy-4-methylbenzene				
1254	1700	3198	3558-60-9	methyl phenethyl ether				
1262	1383	2470	93-29-8	isoeugenyl acetate				
1283	-	3885	53046-97-2	cis,cis-3,6-nonadienol				
1287	510	3914	26303-90-2	4-decenoic acid				
1296	2295	3270	38325-25-6	spiro(2,4-dithia-1-methyl-8-oxa-bicyclo[3.3.0]octane-3,3'-(1'-oxa-2'-methyl)-cyclopentane) and spiro(dithia-6-methyl-7-oxa-bicyclo[3.3.0]octane-3,3'-(1'-oxa-2'-methyl)cyclopentane)				
1316	80	3424	350-03-8	3-acetylpyridine				
1341	2463	3795	16356-11-9	1,3,5-undecatriene				
1356	1693	2726	111-80-8	methyl 2-nonynoate				
1386	1321	2158	124-76-5	isoborneol				
1443	2354	3056	97-99-4	2-tetrahydrofurfuryl alcohol				
1445	2357	3058	637-65-0	2-tetrahydrofurfuryl propionate				
1454	-	3746	60047-17-8	linalool oxide (furanoid)				
1456	960	3797	4166-20-5	2,5-dimethyl-3(2h)-furanon-4-yl acetate				
1460	620	2735	103-07-1	2-methyl-4-phenyl-2-butyl acetate				
1468	1233	2888	90-87-9	2-phenylpropanal dimethyl acetal				
1473	1752	3200	26643-91-4	4-methyl-2-phenyl-2-pentenal				
1487	1833	4179	534-22-5	2-methylfuran				
1488	663	4106	625-86-5	2,5-dimethylfuran				

JECFA No	SEQ	FEMA	CAS	第2品目名	使用有無	ロット	含量 (GC法%)	含量 (化学法%)
1489	831	3673	3208-16-0	2-ethylfuran				
1491	2091	3317	3777-69-3	2-pentylfuran				
1511	985	2495	623-15-4	4-(2-furyl)-3-buten-2-one				
1536	277	2181	7756-96-9	butyl anthranilate				
1543	2104	2859	133-18-6	phenethyl anthranilate				
1553	2442	4394	20662-84-4	2,4,5-trimethyloxazole				
1564	1891	3312	505-79-3	3-(methylthio)propyl isothiocyanate				
1566	1782	3338	36267-71-7	5,7-dihydro-2-methylthieno[3,4-d]pyrimidine				
1578	854	3757	74367-97-8	ethyl beta-methyl-beta-(4-methylphenyl)glycidate				
1650	479	3242	1197-01-9	p-cymen-8-ol				
1659	722	4258	75-08-1	ethanethiol				
1676	2376	4210	507-09-5	ethanethioic acid				
1729	20	4024	13002-09-0	acetaldehyde diisoamyl acetal				
1738	1091	4370	33673-65-3	hexanal dihexyl acetal				
1755	2311	4279	94159-32-7	4-methyl-5-thiazoleethanol hexanoate				
1759	65	3817	29926-41-8	2-acetyl-2-thiazoline				
1832	2173	4196	150-86-7	phytol				
1890	291	4419	4426-79-3	2-butyl isothiocyanate				
1958	742	4459	29214-60-6	ethyl 2-acetyloctanoate				
1971	2232	4480	645-67-0	propyl levulinate				
2032	1849	4057	113486-29-6	3-methylnonane-2,4-dione				
2094	1597	4538	94278-26-9	methyl 3-(furfurylthio)propionate				
2106	2092	4387	4861-58-9	2-pentylthiophene				
2141	1914	4634	10484-56-7	butyl beta-naphthyl ether				
2144	1633	4654	37161-74-3	methyl beta-phenylglycidate				
2145	-	4656	203719-53-3	d-8-p-menthene-1,2-epoxide				
2183	1979	4554	76238-22-7	cis-6-nonenyl acetate				

資料 6-1 実測値（I）の検証結果（表）

JECFA No	data	Name	GC含量	GC異性体合算含量	化学法含量	含量備考	判定	融点区分	融点又は凝固点	判定	屈折率(20℃)	屈折率(20℃以外)
1	JECFA	Allyl propionate	99				0				1.411	
1	JFFMA	allyl propionate	98								1.407-1.413	
1	FCC	allyl propionate	97			GC(M-1b)					1.408-1.413	
1	H27-I-01	allyl propionate	99.6				0				1.411	
1	H27-I-02	allyl propionate	99.9				0				1.411	
1	H27-I-03	allyl propionate	100				0				1.411	
1	H27-I-04	allyl propionate	99.6				0				1.411	
1	H27-I-05	allyl propionate	99				0					
1	H27-I-06	allyl propionate	99.7				0				1.4113	
1	案	allyl propionate	99								1.408-1.413	
2	JECFA	Allyl butyrate	98				0				1.412-1.418	
2	JFFMA	allyl butyrate	95								1.409-1.419	
2	H27-I-01	allyl butyrate	99				0				1.415	
2	H27-I-02	allyl butyrate	99				0				1.415	
2	H27-I-03	allyl butyrate	99				0				1.416	
2	H27-I-04	allyl butyrate	99.7				0				1.415	
2	H27-I-05	allyl butyrate	99.8				0					
2	H27-I-06	allyl butyrate	99.9				0				1.415	
2	H27-I-07	allyl butyrate	99.5				0				1.4156	
2	案	allyl butyrate	98								1.412-1.418	
7	JECFA	Allyl isovalerate	98				0				1.413-1.418	
7	JFFMA	allyl isovalerate	98								1.414-1.420	
7	FCC	allyl isovalerate	98			one isomer /GC(M-1b)					1.413-1.418	
7	H27-I-01	allyl isovalerate	99.9				0				1.4162	
7	H27-I-02	allyl isovalerate	99.9				0				1.4164	
7	H27-I-03	allyl isovalerate	99.9				0				1.416	
7	H27-I-04	allyl isovalerate	99.9				0				1.416	
7	H27-I-05	allyl isovalerate	99.9				0				1.416	
7	H27-I-06	allyl isovalerate	99.9				0				1.4162	
7	案	allyl isovalerate	98								1.413-1.418	
11	JECFA	Allyl 2-ethylbutyrate	99				0				1.422-1.427	
11	JFFMA	allyl 2-ethylbutyrate	98								1.419-1.425	

屈折率温度	判定	比重(20℃)	比重温度	比重(25℃)	判定	酸価	酸価備考	判定	(比) 旋光度	旋光度備考	判定	総合判定	コメント
	SO	0.914	20		SO							XO	含量：JECFA規格を採用した。 屈折率：JECFA規格は1点規格のため、FCC規格を採用した。 比重：JECFA規格は1点規格のため、0.912-0.918(20℃)を採用した。
		0.913-0.921	20			1							
			25	0.912-0.917		2							
	S	0.913	20		S								
	S	0.914	20		S								
	S	0.914	20		S								
	S	0.917	20		S	0.22		N					
	J				J								
	S	0.9172	20		S	0.8		N					
		0.912-0.918	20										
	O			0.897-0.902	O	1.0		O				O	含量：JECFA規格を採用した。 屈折率：JECFA規格を採用した。 比重：JECFA規格を採用した。 酸価：JECFA規格を採用した。
		0.897-0.907	20			1							
	O	0.9002	20		O			J					
	O	0.901	20		O			J					
	O	0.901	20		O			J					
	O	0.901	20		O	0.05		O					
	J				J			J					
	O	0.903	20		O	0.47		O					
	O	0.9031	20		O	0.9		O					
			25	0.897-0.902		1.0							
	O			0.879-0.884	O	1.0		O				O	含量：JECFA規格を採用した。 屈折率：JECFA規格を採用した。 比重：JECFA規格を採用した。 酸価：JECFA規格を採用した。
		0.882-0.888	20			1							
			25	0.879-0.884		1.0							
	O	0.8862	20		O	0.4		O					
	O	0.886	20		O	0.42		O					
	O	0.886	20		O	0.18		O					
	O	0.886	20		O	0.03		O					
	O	0.886	20		O	0.15		O					
	O	0.8862	20		O	0.4		O					
			25	0.879-0.884		1.0							
	O			0.882-0.887	O	1.0		O				O	含量：JECFA規格を採用した。 屈折率：JECFA規格を採用した。 比重：JECFA規格を採用した。 酸価：JECFA規格を採用した。
		0.883-0.889	20			1							

JECFA No	data	Name	GC含量	GC異性体合算含量	化学法含量	含量備考	判定	融点区分	融点又は凝固点	判定	屈折率(20°C)	屈折率(20°C以外)
11	H27-I-01	allyl 2-ethylbutyrate	99.9				O				1.4218	
11	H27-I-02	allyl 2-ethylbutyrate	99.9				O				1.4218	
11	H27-I-03	allyl 2-ethylbutyrate	99.9				O				1.4218	
11	H27-I-04	allyl 2-ethylbutyrate	99.9				O				1.4218	
11	H27-I-05	allyl 2-ethylbutyrate	99.9				O				1.4219	
11	案	allyl 2-ethylbutyrate	99								1.422-1.427	
19	JECFA	Allyl cinnamate	97				O				1.562-1.569	
19	JFFMA	allyl cinnamate	97								1.564-1.570	
19	H27-I-01	allyl cinnamate	99.9				O				1.569	
19	H27-I-02	allyl cinnamate	99.9				O				1.569	
19	H27-I-03	allyl cinnamate	99.8				O				1.5681	
19	H27-I-04	allyl cinnamate	99.8				O				1.568	
19	H27-I-05	allyl cinnamate	99.8				O				1.568	
19	H27-I-06	allyl cinnamate	99.8				O				1.568	
19	H27-I-07	allyl cinnamate	99.7				O				1.568	
19	H27-I-08	allyl cinnamate	99.7				O				1.5677	
19	H27-I-09	allyl cinnamate	99.9				O				1.5681	
19	H27-I-10	allyl cinnamate	99.8				O				1.5681	
19	H27-I-11	allyl cinnamate	99.8				O				1.5681	
19	H27-I-12	allyl cinnamate	99.8				O				1.568	
19	H27-I-13	allyl cinnamate	99.76				O				1.5677	
19	H27-I-14	allyl cinnamate	99.89				O				1.5678	
19	H27-I-15	allyl cinnamate	99.8				O				1.5676	
19	案	allyl cinnamate	97								1.562-1.569	
55	JECFA	Neryl formate	90				O				1.456-1.458	
55	JFFMA	neryl formate			90						1.458-1.468	
55	H27-I-01	neryl formate	96.6				O				1.4626	
55	H27-I-02	neryl formate			96.9		M				1.4626	
55	H27-I-03	neryl formate			96.6		M				1.4629	
55	H27-I-04	neryl formate			96.3		M				1.4627	
55	H27-I-05	neryl formate			96.9		M				1.4627	
55	H27-I-06	neryl formate	91.8		96.6		O				1.4626	
55	H27-I-07	neryl formate	92.8		96.3		O				1.4625	
55	案	neryl formate	90								1.458-1.468	