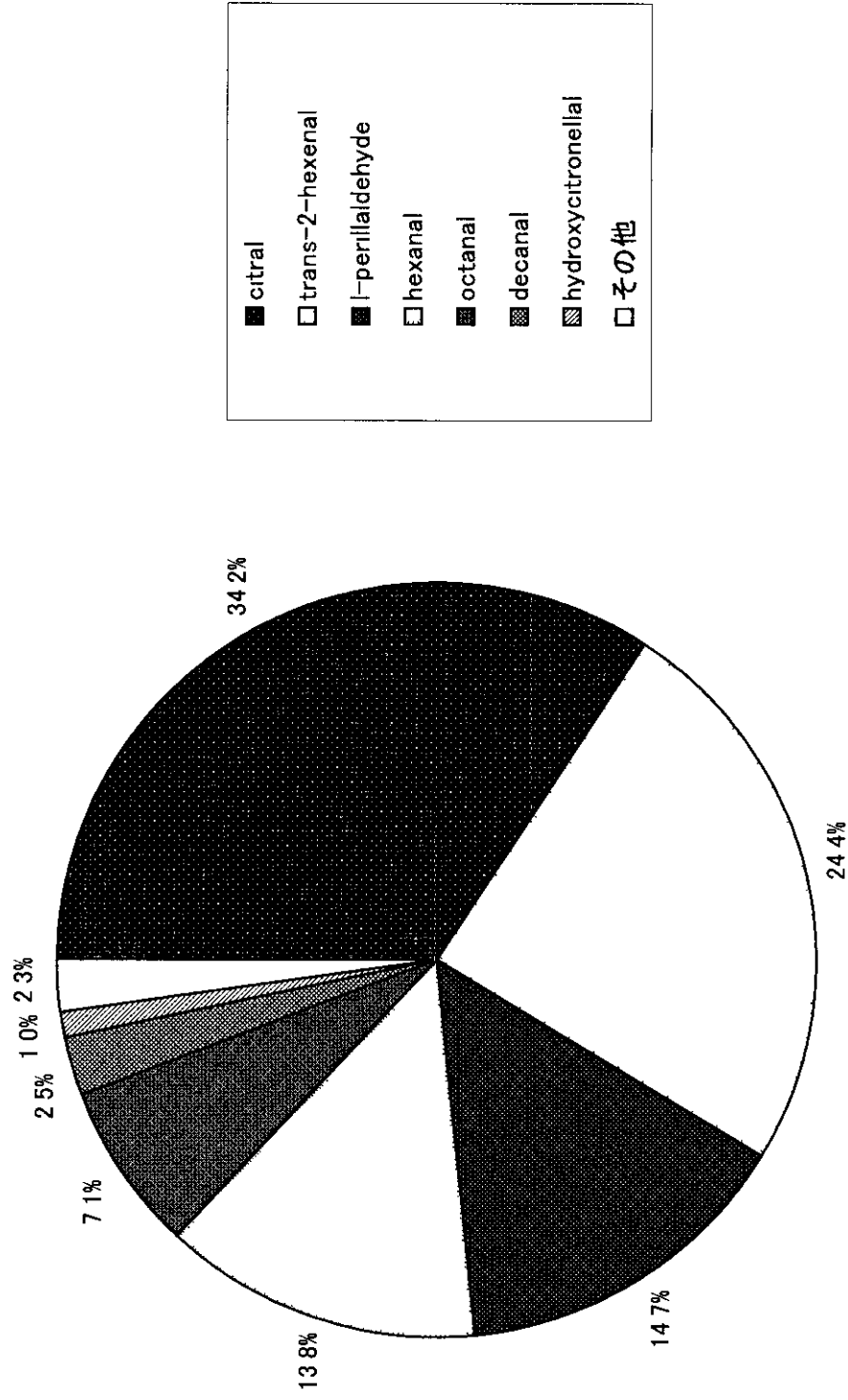


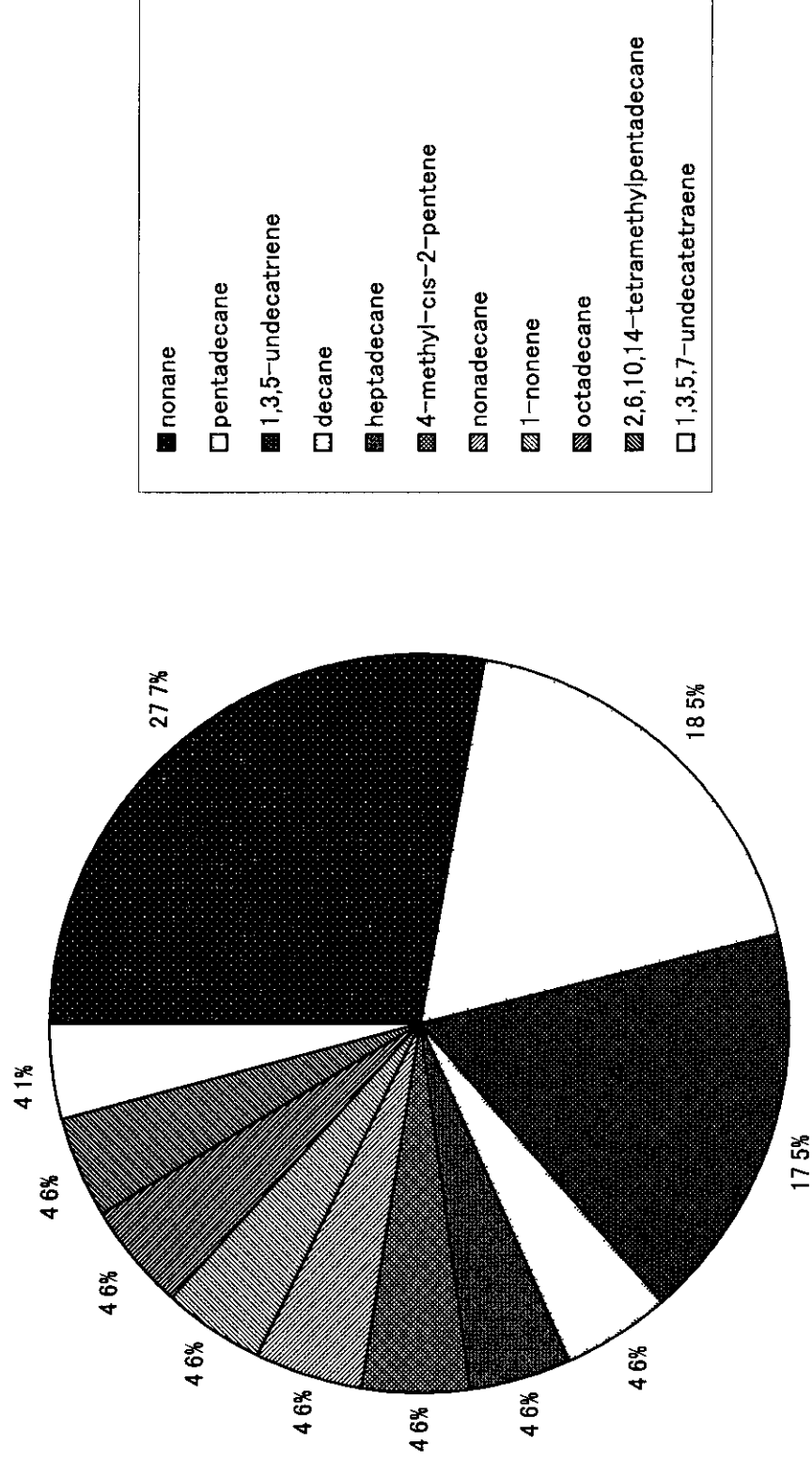
資料5-9

脂肪族高級アルデヒド類 品目別占有率 (103品目)



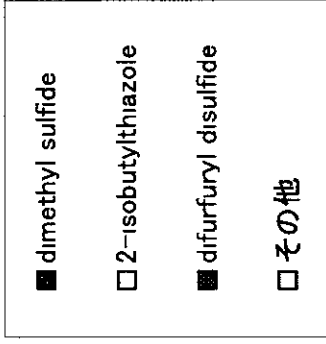
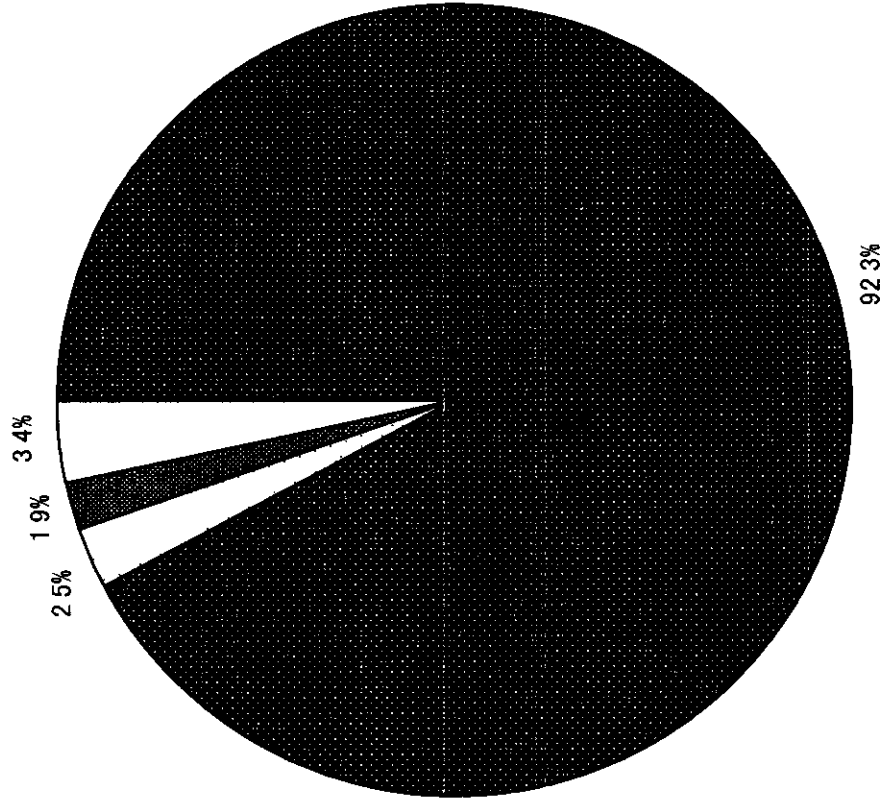
資料5-10

脂肪族高級炭化水素類 品目別占有率 (11品目)



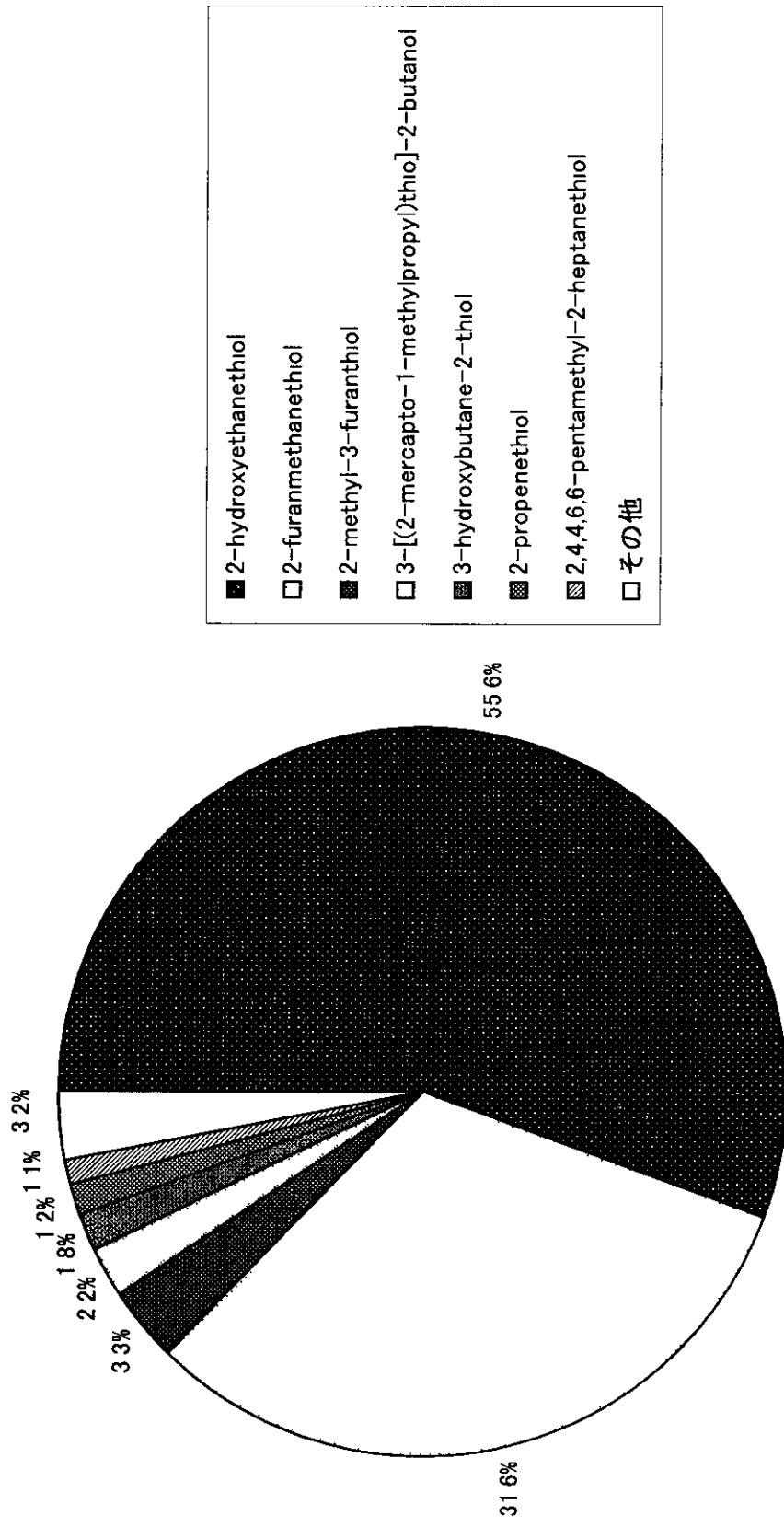
資料5-11

チオエーテル類 品目別占有率 (128品目)

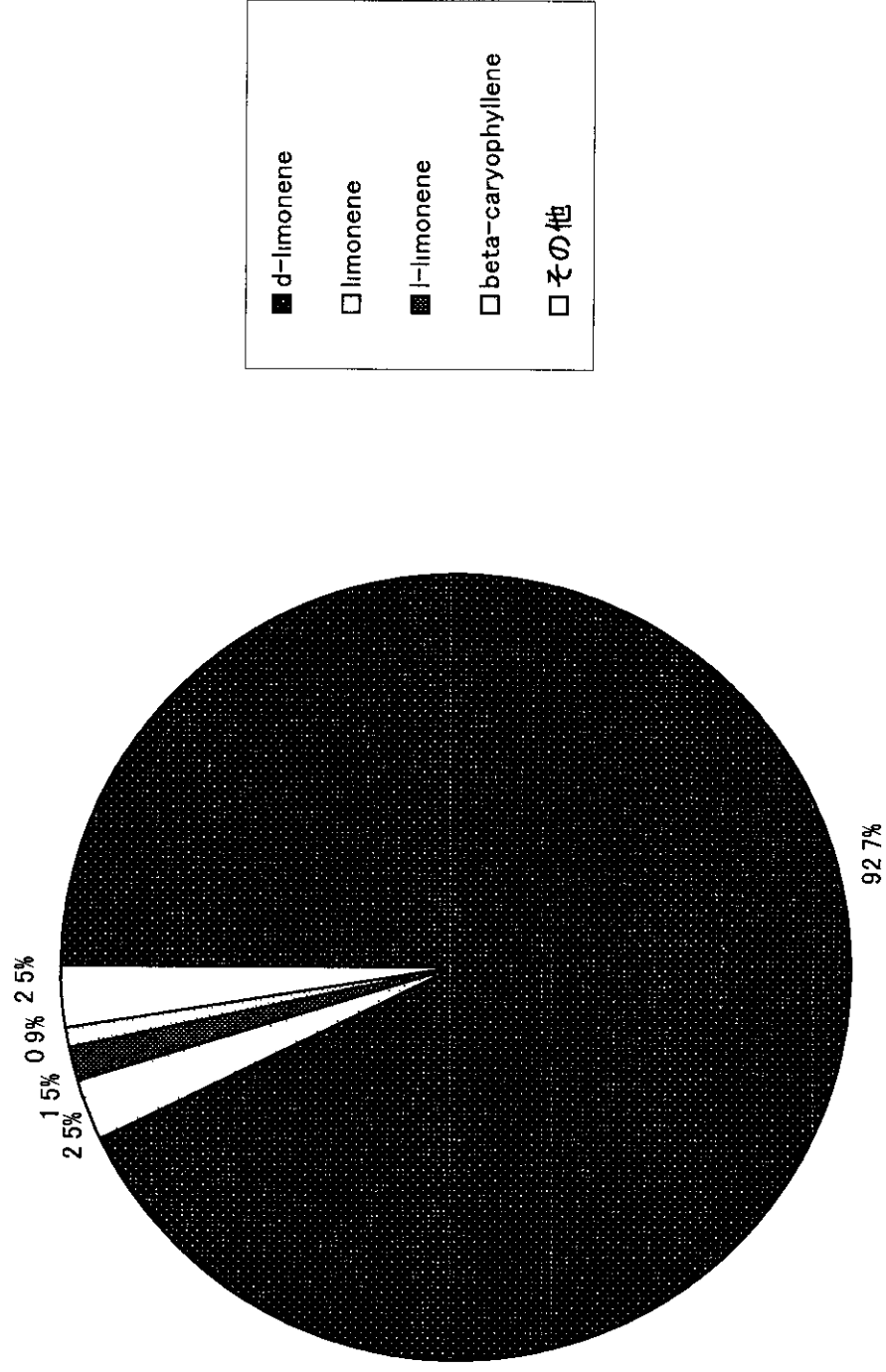


資料5-12

チオール類 品目別占有率 (55品目)

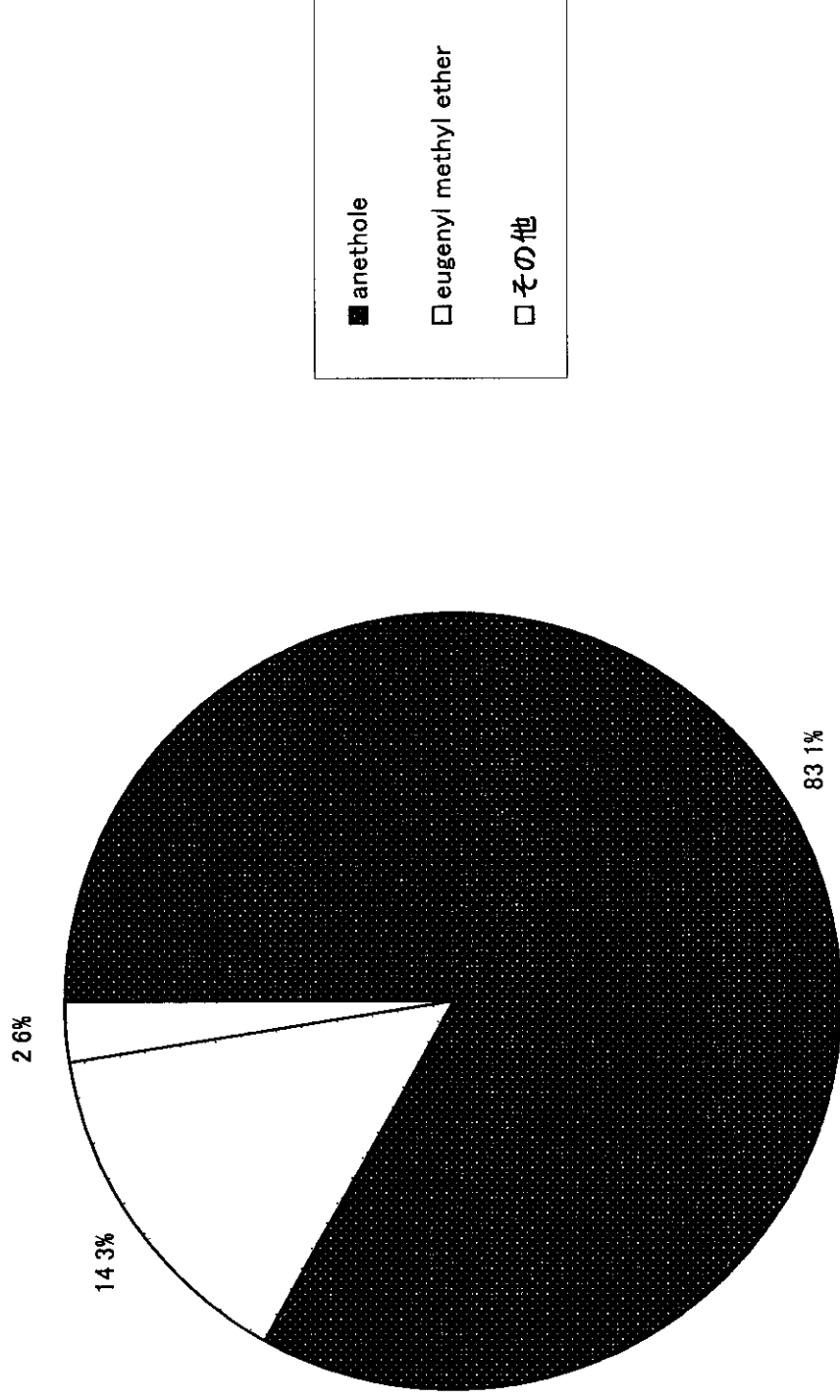


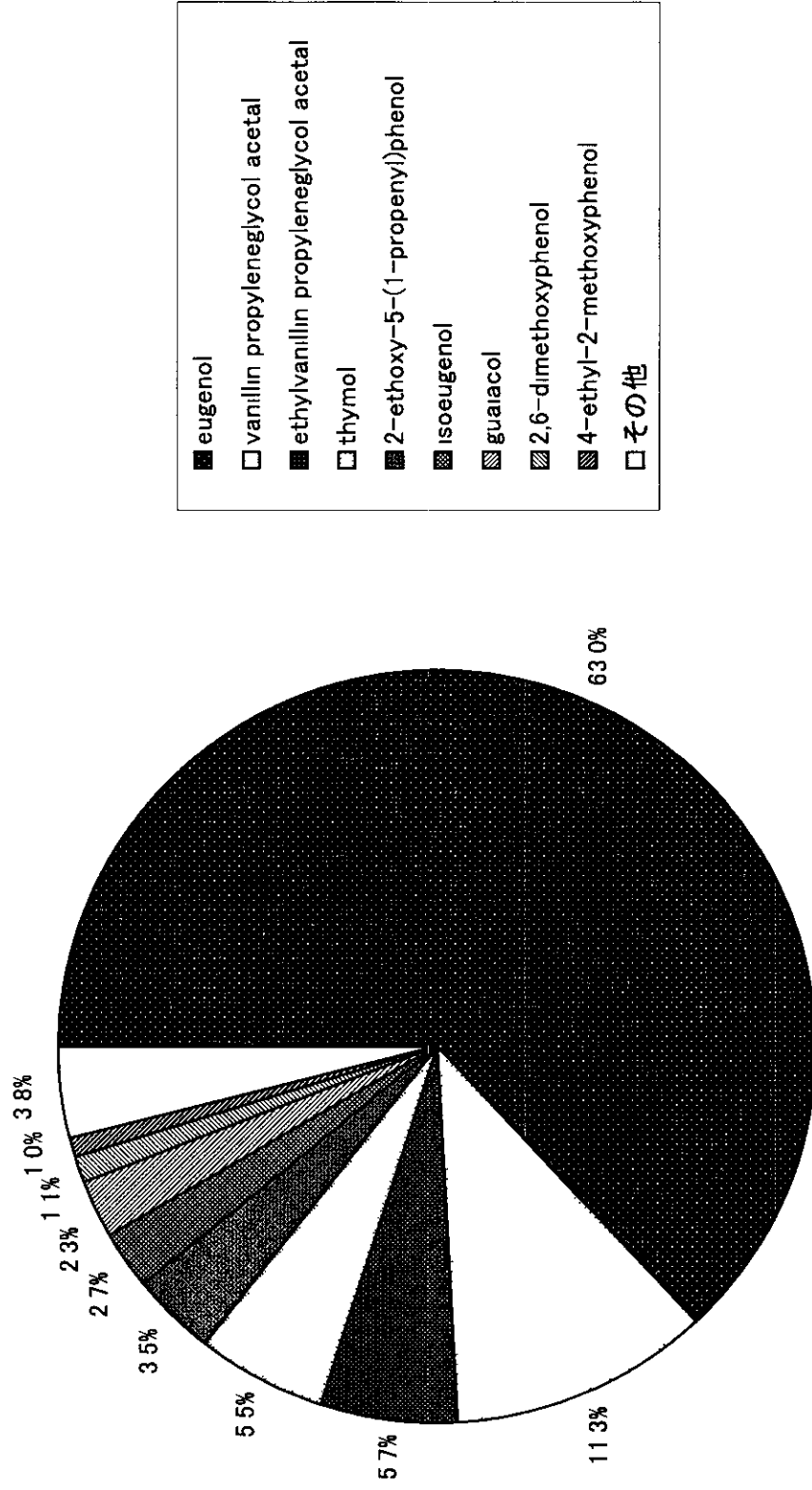
テルペン系炭化水素類 品目別占有率 (41品目)



資料5-14

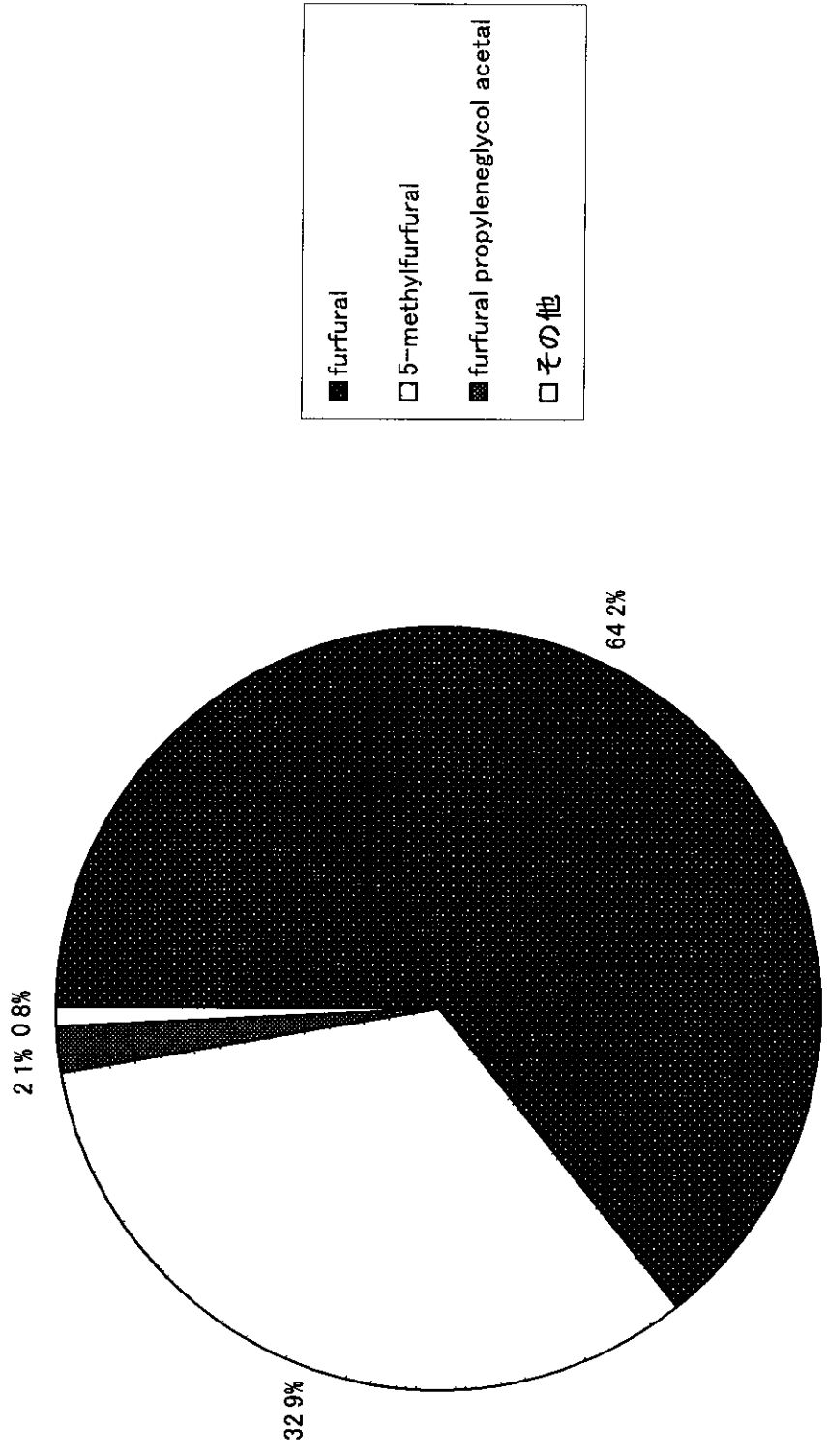
フェノールエーテル類 品目別占有率 (35品目)





資料5-16

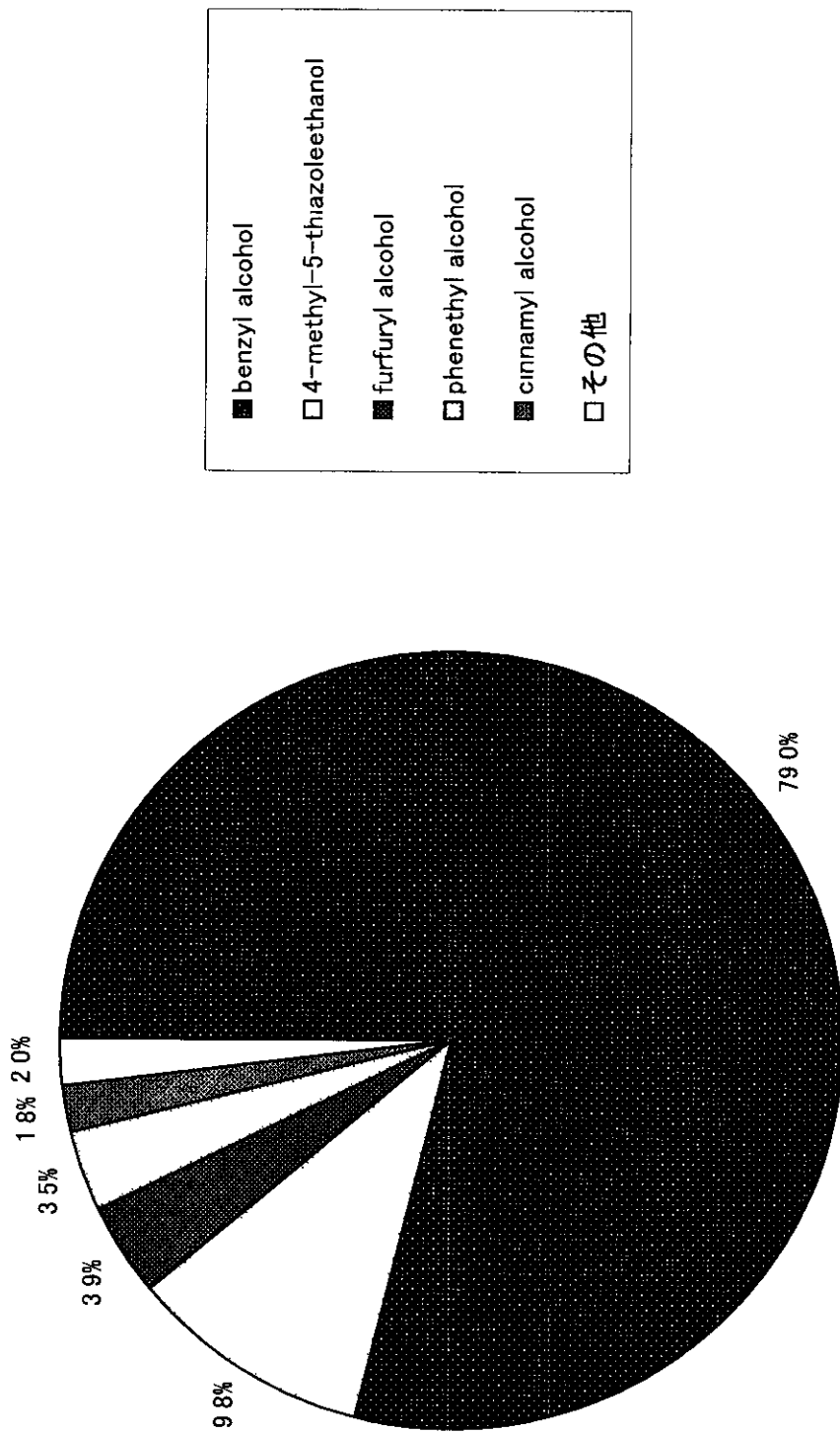
フルフラール及びその誘導体 品目別占有率(7品目)





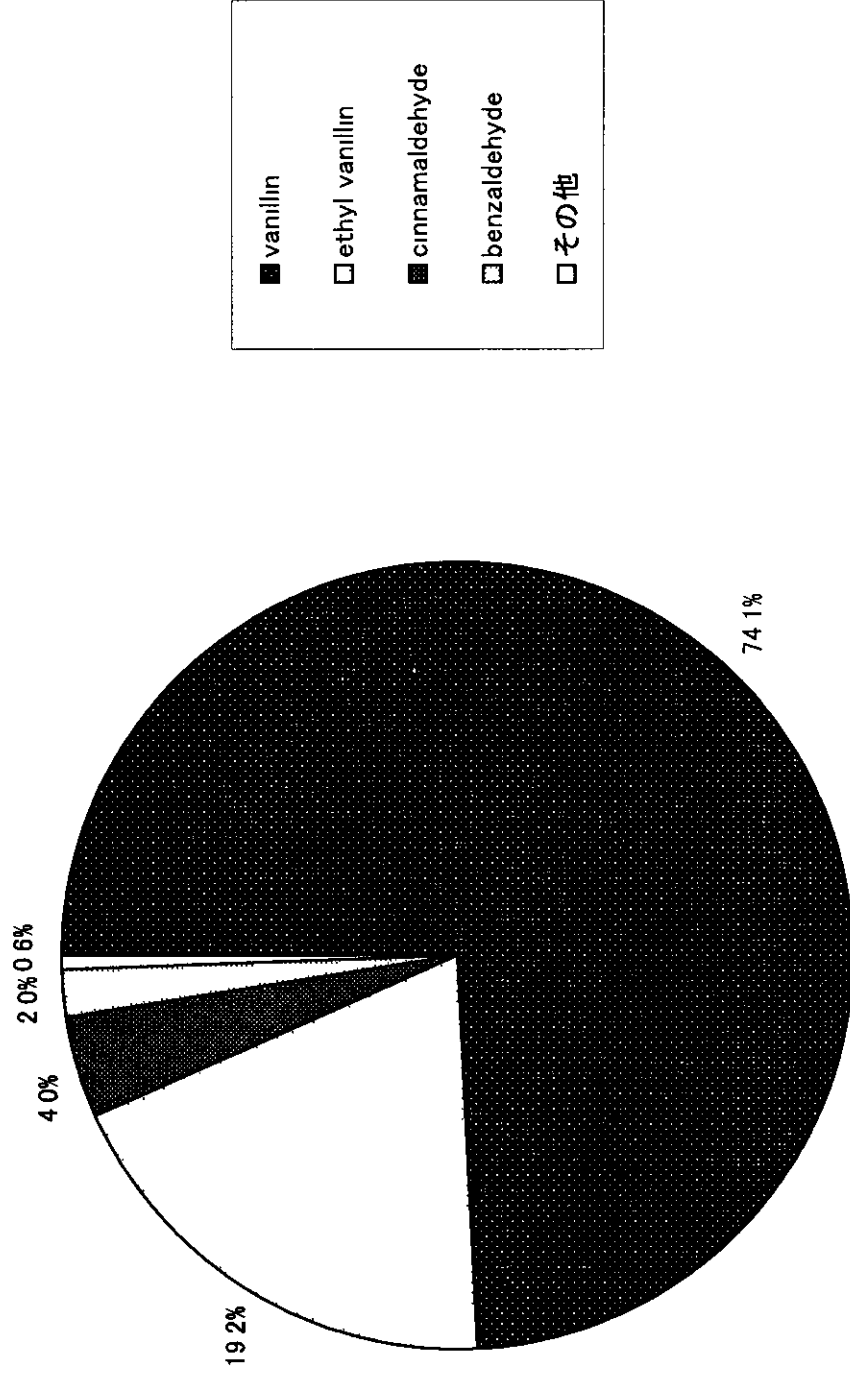
資料5-17

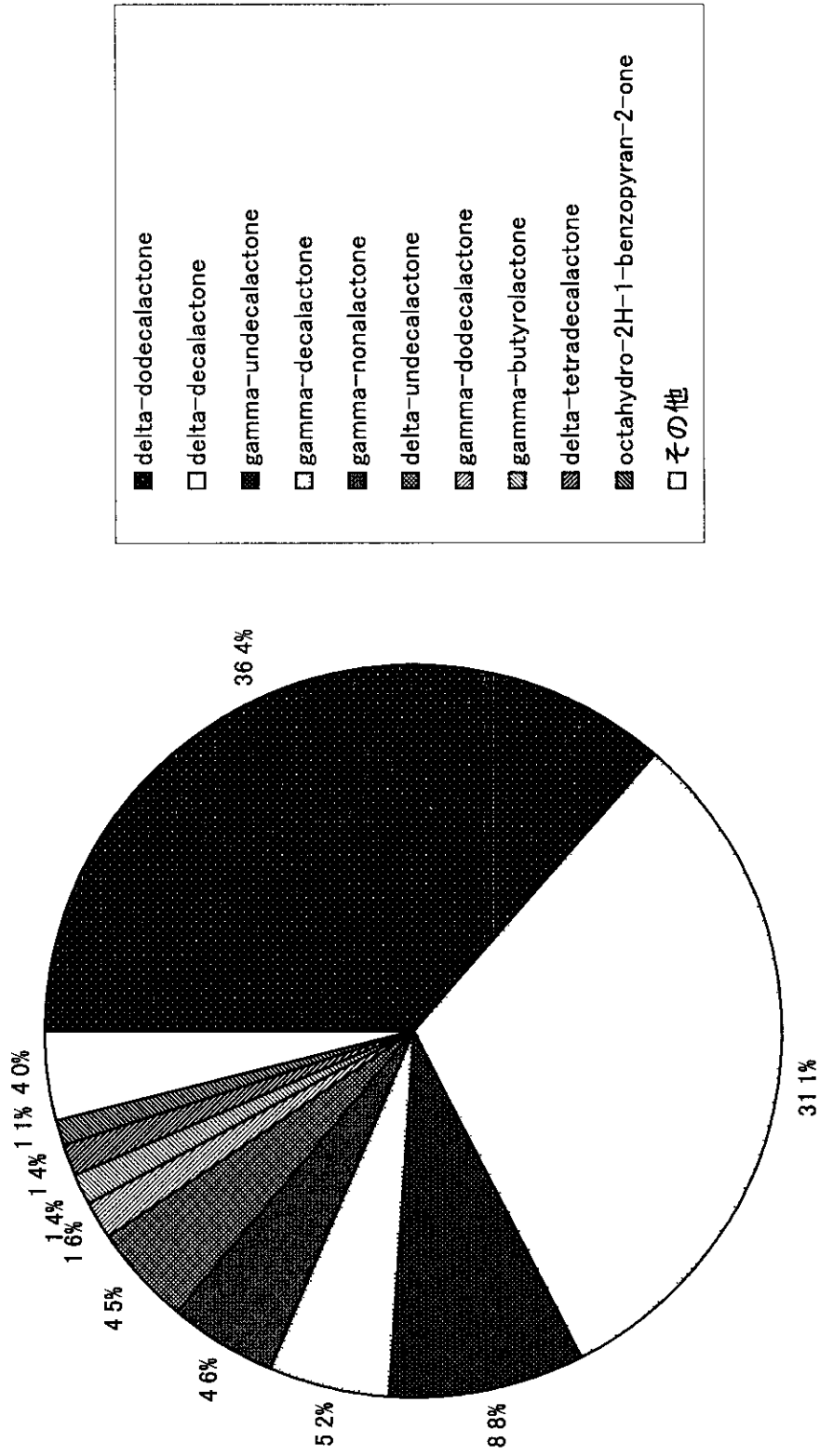
芳香族アルコール類 品目別占有率 (39品目)



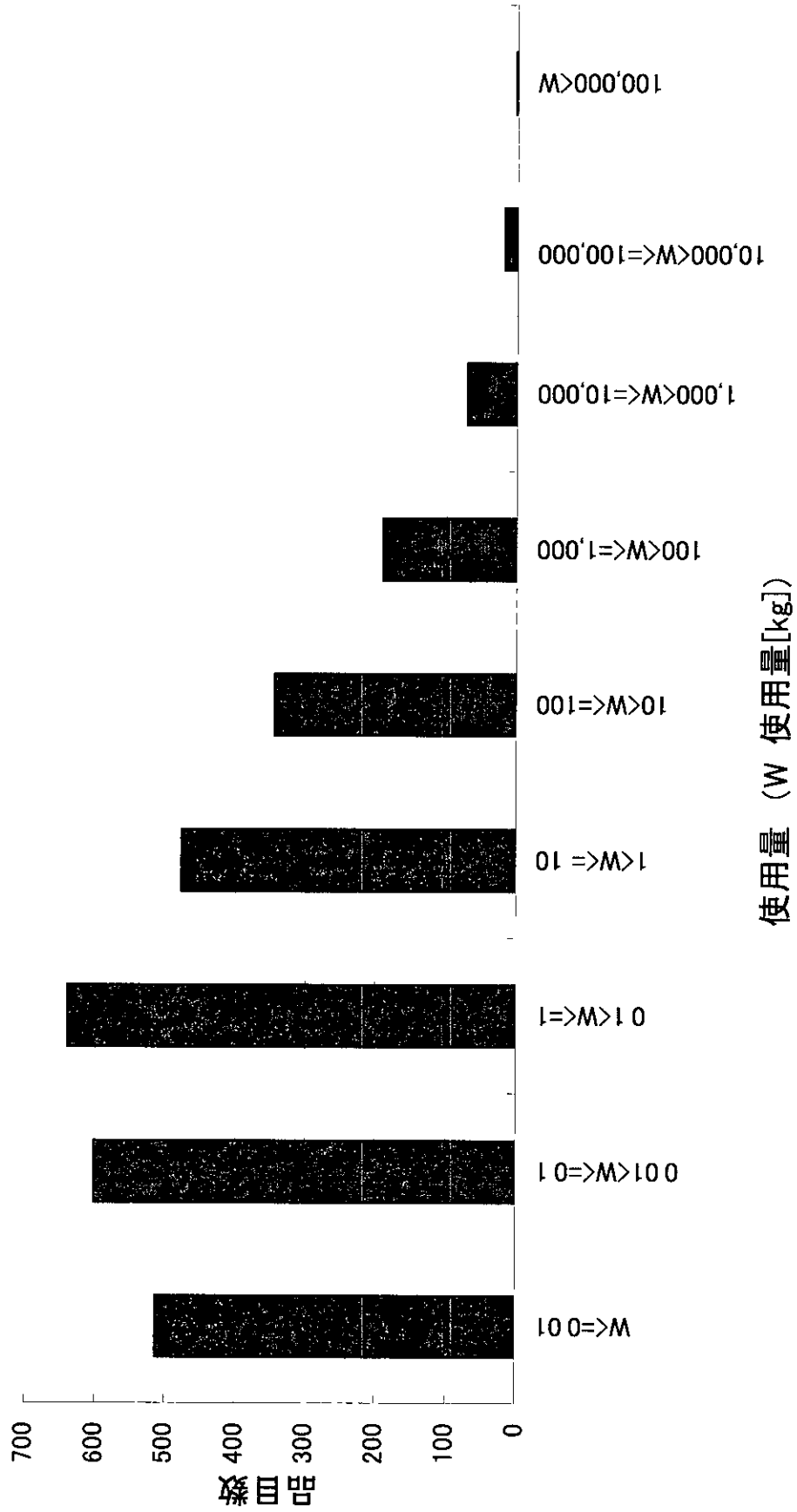
資料5-18

芳香族アルデヒド類 品目別占有率 (61品目)





食品香料化合物の使用量と品目数



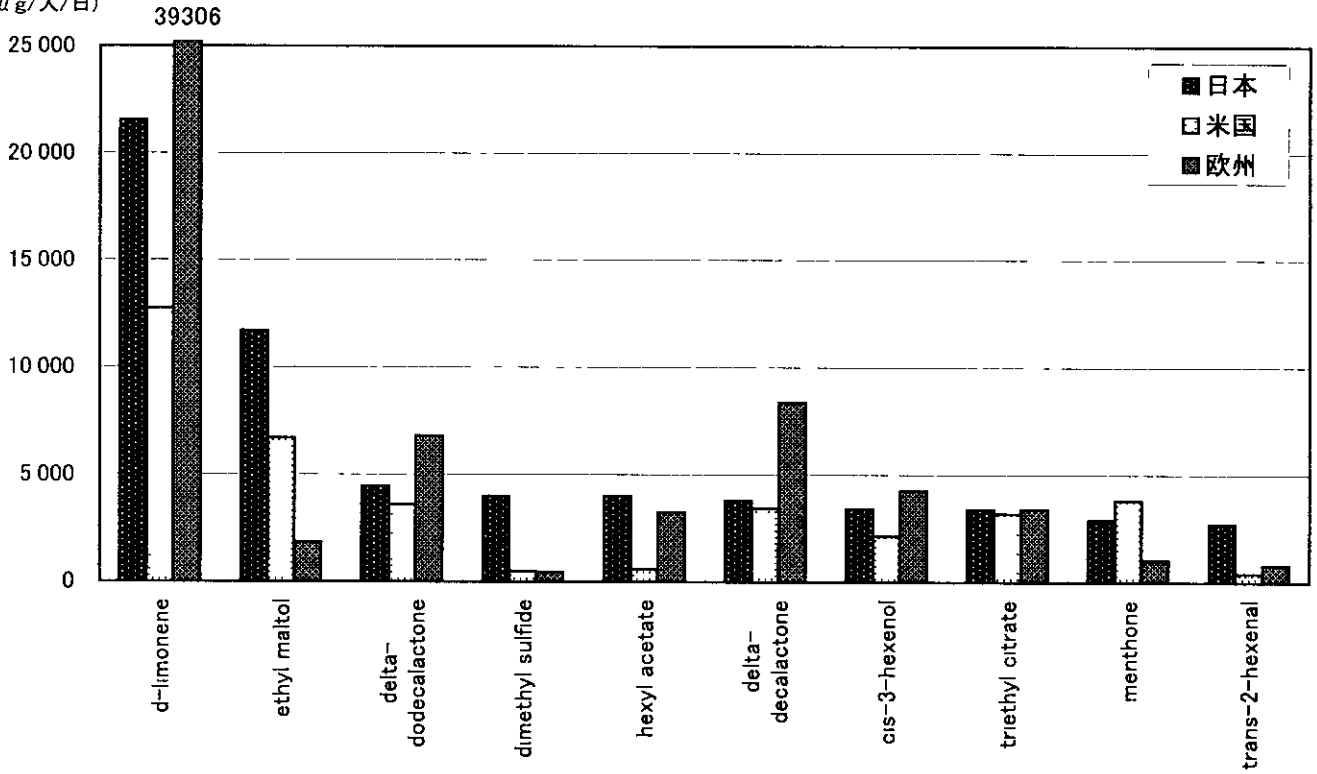
第2品目名	使用量(kg)			推定摂取量( $\mu\text{g}/\text{人}/\text{日}$ )		
	日本(輸入込)	米国	欧州	日本	米国	欧州
d-limonene	75622 664	96917	275461	21581 81	12765 67	39306 65
ethyl maltol	41041 903	50878	12969	11712 87	6701 53	1850 60
delta-dodecalactone	15651 196	27390	47751	4466 67	3607 74	6813 78
dimethyl sulfide	14030 364	3725	3102	4004 10	490 65	442 64
hexyl acetate	14010 488	4413	22653	3998 43	581 27	3232 45
delta-decalactone	13369 252	26030	58784	3815 43	3428 61	8388 13
cis-3-hexenol	11981 563	16303	29797	3419 40	2147 39	4251 86
triethyl citrate	11868 049	24296	23910	3387 00	3200 21	3411 82
menthone	10206 730	28993	7262	2912 88	3818 89	1036 24
trans-2-hexenal	9549 628	3108	5542	2725 35	409 38	790 81
anethole	9404 561	46142	196950	2683 95	6077 71	28103 60
propyl acetate	9129 906	1413	1288	2605 57	186 12	183 79
2-methylbutyl acetate	8237 917	64	895	2351 00	8 43	127 71
ethyl 2-methylbutyrate	7993 288	11736	15635	2281 19	1545 84	2231 02
hexanol	7264 200	10007	13045	2073 12	1318 10	1861 44
oleic acid	7210 402	144380	6768	2057 76	19017 39	965 75
2-methylbutyric acid	7067 528	11612	8584	2016 99	1529 50	1224 89
isobutyl acetate	5926 704	16203	8139	1691 41	2134 22	1161 39
ethyl lactate	5429 712	5810	13293	1549 58	765 28	1896 83
hexanal	5395 751	2539	5473	1539 88	334 43	780 96
ethyl isobutyrate	5334 528	4308	5232	1522 41	567 44	746 58
diethyl malonate	5181 582	5615	5320	1478 76	739 59	759 13
ethyl levulinate	4780 324	202	3873	1364 25	26 61	552 65
4-methyl-5-thiazoleethanol	4553 861	2847	1206	1299 62	375 00	172 09
lactic acid	4480 316	354483	146297	1278 63	46691 65	20875 71
5(6)-decenoic acid	4251 731	31	28	1213 39	4 08	4 00
ethyl formate	4220 539	8464	10058	1204 49	1114 86	1435 22
acetoin	4071 324	52837	19305	1161 91	6959 56	2754 71
cyclotene	4005 145	9405	4677	1143 02	1238 80	667 38
4-methyl-5-thiazoleethanol acetate	2967 748	24	71	846 96	3 16	10 13
2,5-dimethyl-4-hydroxy-3(2H)-furanone	2656 661	39480	36818	758 18	5200 21	5253 71
acetaldehyde diethyl acetal	2560 621	2190	1663	730 77	288 46	237 30
methyl butyrate	2443 025	580	1591	697 21	76 40	227 03
isobutyric acid	2267 939	3974	5701	647 24	523 45	813 50
gamma-decalactone	2254 103	10243	12631	643 29	1349 18	1802 37
styrallyl acetate	2215 086	5032	1395	632 16	662 80	199 06
ethyl salicylate	2008 931	13037	218	573 33	1717 20	31 11
delta-undecalactone	1947 797	562	2474	555 88	74 03	353 03
furfuryl alcohol	1813 651	187	1438	517 59	24 63	205 19
octanoic acid	1692 642	12685	26603	483 06	1670 84	3796 09
phenethyl alcohol	1643 706	2521	9873	469 09	332 06	1408 82
eugenyl methyl ether	1617 812	620	87	461 70	81 66	12 41
diacetyl	1587 200	96176	17526	452 97	12668 07	2500 86
maltol isobutyrate	1554 362	286	163	443 60	37 67	23 26
trans-2-hexenyl acetate	1408 740	429	1397	402 04	56 51	199 34
ethyl beta-methyl-beta-phenylglycidate	1287 514	14003	1682	367 44	1844 44	240 01
raspberry ketone	1182 415	28922	19494	337 45	3809 54	2781 68
lauric acid	1116 982	11769	4164	318 77	1550 18	594 18
methyl 2-methylbutyrate	1098 478	853	2713	313 49	112 36	387 13
butyl butyryllactate	1018 181	10886	1927	290 58	1433 88	274 97
ethyl beta-phenylglycidate	1009 266	735	799	288 03	96 81	114 01
vanillin acetate	977 904	5 40	15	279 08	0 71	2 14
furfural	951 192	3501	3613	271 46	461 14	515 55
ethyl myristate	934 238	89	1776	266 62	11 72	253 42
myristic acid	934 199	7393	1087	266 61	973 79	155 11
methyl acetate	902 924	482	3255	257 68	63 49	464 47
nootkatone	836 461	154	1067	238 72	20 28	152 25
methyl hexanoate	831 248	160	990	237 23	21 07	141 27

第2品目名	使用量(kg)			推定摂取量( $\mu\text{g}/\text{人}/\text{日}$ )		
	日本(輸入込)	米国	欧州	日本	米国	欧州
trans-2-hexenoic acid	781 674	281	128	223 08	37 01	18 26
cis-3-hexenyl acetate	744 904	1523	4451	212 59	200 61	635 13
butyl propionate	741 700	3 6	72	211 67	0 47	10 27
linalool oxide	723 644	112	594	206 52	14 75	84 76
ethyl palmitate	720 670	116	672	205 67	15 28	95 89
beta-caryophyllene	714 586	3864	2728	203 93	508 96	389 27
gamma-dodecalactone	672 091	1924	1566	191 81	253 42	223 46
beta-pinene	652 531	5797	10865	186 22	763 57	1550 37
6-methyl-5-hepten-2-one	622 306	336	817	177 60	44 26	116 58
gamma-butyrolactone	609 004	1001	882	173 80	131 85	125 86
delta-tetradecalactone	581 472	152	869	165 95	20 02	124 00
ethyl oleate	564 697	276	487	161 16	36 35	69 49
ethyl 2-methylpentanoate	556 771	770	53	158 90	101 42	7 56
heptanoic acid	543 076	41	1221	154 99	5 40	174 23
isoamyl isobutyrate	502 333	162	84	143 36	21 34	11 99
isovaleric acid	498 688	2115	3334	142 32	278 58	475 74
octanol	495 002	134	1634	141 27	17 65	233 16
5-methylfurfural	487 992	191	1120	139 27	25 16	159 82
benzyl benzoate	459 068	31827	13105	131 01	4192 18	1870 01
ethyl laurate	458 954	1269	1685	130 98	167 15	240 4
5-ethyl-4-hydroxy-2-methyl-3(2H)-furanone	450 442	103	1666	128 55	13 57	237 73
2-methyl-1-phenyl-2-propyl butyrate	445 553	2005	857	127 16	264 09	122 29
methyl 4-tert-butylphenylacetate	442 249	151	135	126 21	19 89	19 26
benzyl phenylacetate	440 587	438	35	125 74	57 69	4 99
diethyl sebacate	438 725	2127	945	125 21	280 16	134 85
2-ethylbutyric acid	437 099	211	404	124 74	27 79	57 65
propyl butyrate	403 805	398	523	115 24	52 42	74 63
nerolidol	396 632	160	446	113 19	21 07	63 64
isopropyl myristate	386 508	7 2	160	110 30	0 95	22 83
gamma-octalactone	386 323	1096	3462	110 25	144 36	494 01
2-isobutylthiazole	376 500	2 7	19	107 45	0 36	2 71
2,3-pentanedione	373 330	1180	1145	106 54	155 43	163 38
allyl heptanoate	354 950	499	882	101 30	65 73	125 86
4-terpineol	352 309	726	1204	100 54	95 63	171 80
methyl ethyl ketone	344 080	240	788	98 20	31 61	112 44
valeric acid	338 671	1345	967	96 65	177 16	137 99
benzyl butyrate	329 807	2213	852	94 12	291 49	121 58
ethyl valerate	301 867	2272	1364	86 15	299 26	194 63
levulinic acid	294 390	1034	1569	84 02	136 20	223 8
gamma-hexalactone	289 360	512	1299	82 58	67 44	185 36
difurfuryl disulfide	285 906	4 9	27	81 59	0 65	3 85
ethyl benzoate	285 823	798	787	81 57	105 11	112 30

資料7-2

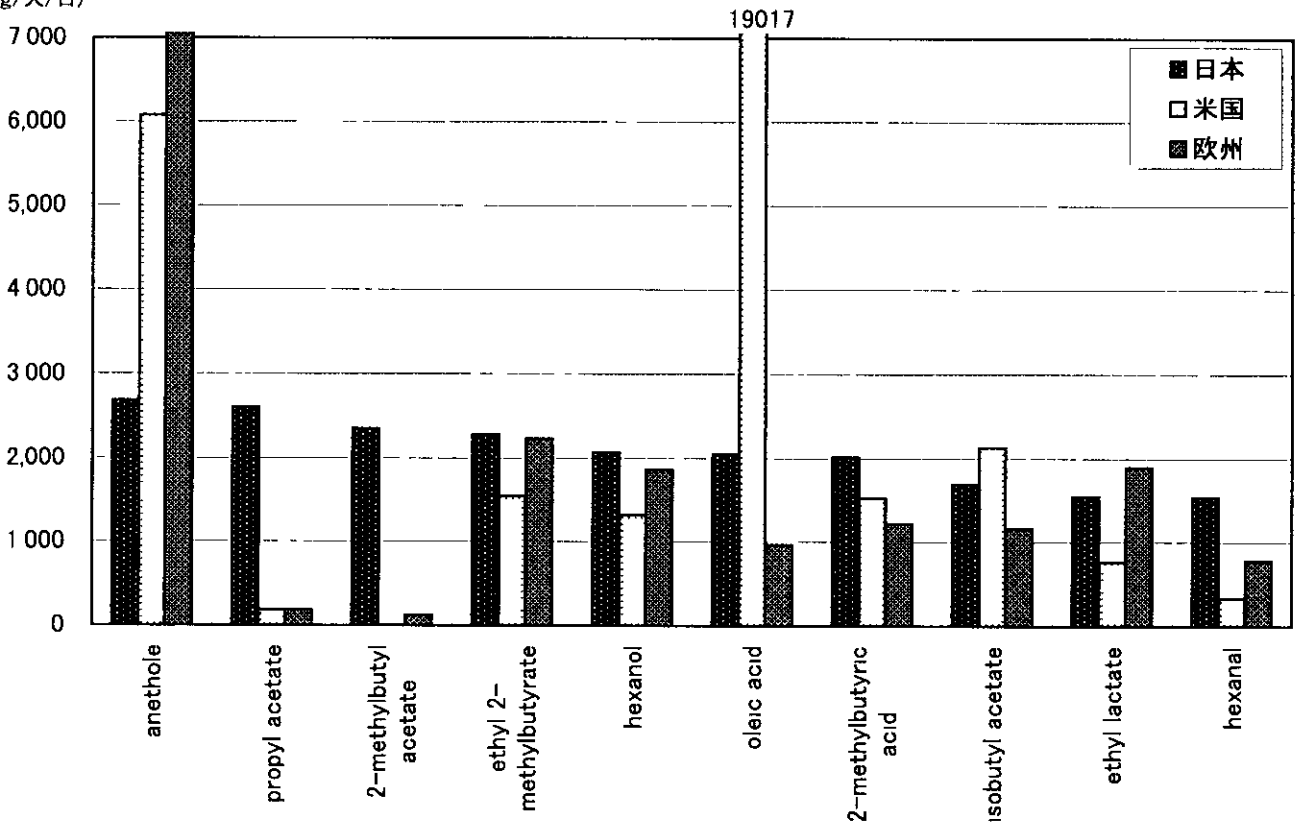
別表第1記載18類品目についての日本、米国、欧州における摂取量比較-1

推定摂取量  
( $\mu\text{g}/\text{人}/\text{日}$ )



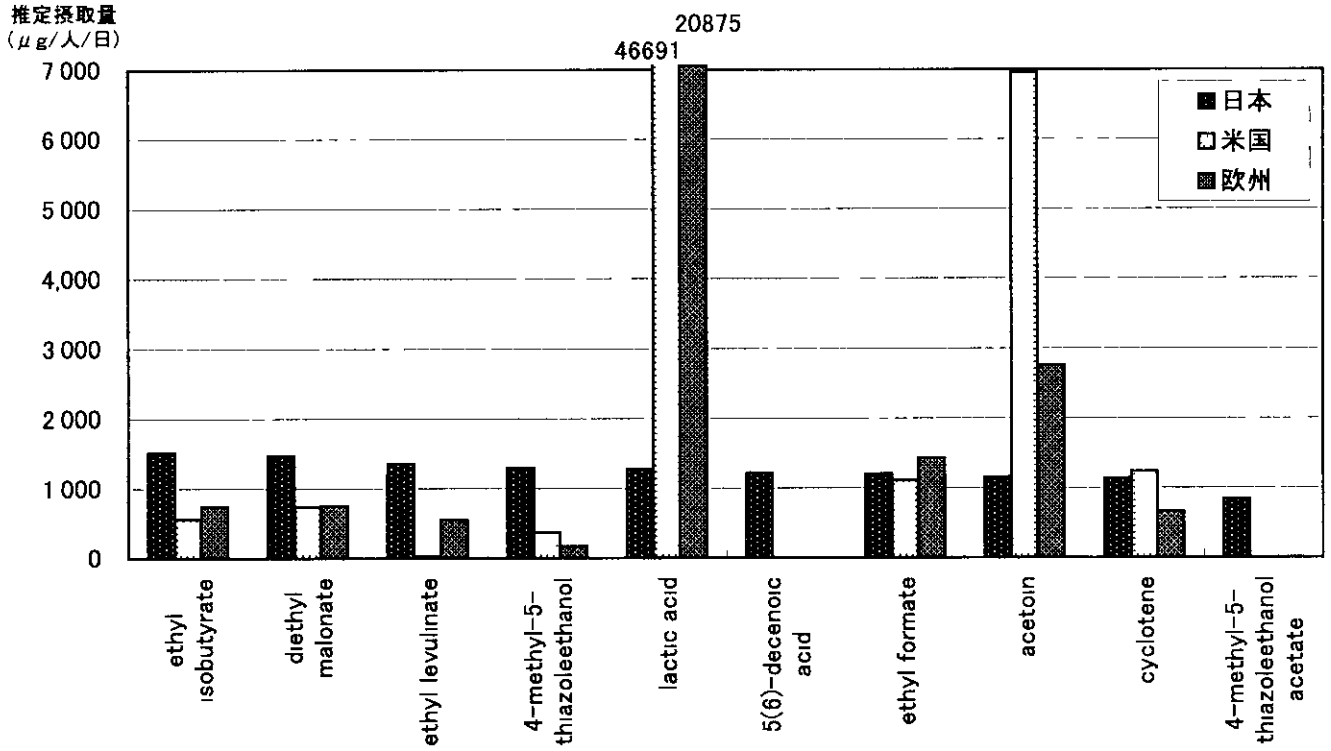
別表第1記載18類品目についての日本、米国、欧州における摂取量比較-2

推定摂取量  
( $\mu\text{g}/\text{人}/\text{日}$ )

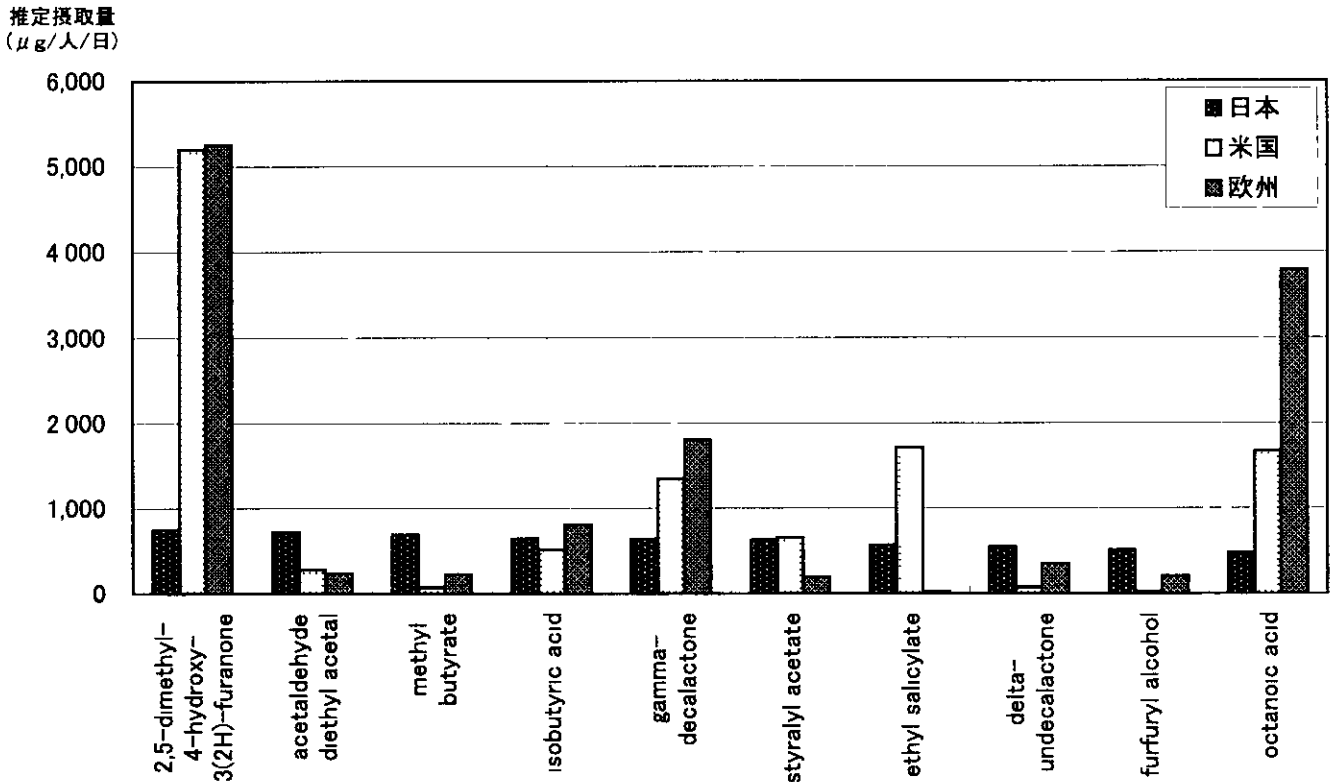


資料7-2

別表第1記載18類品目についての日本、米国、欧州における摂取量比較-3



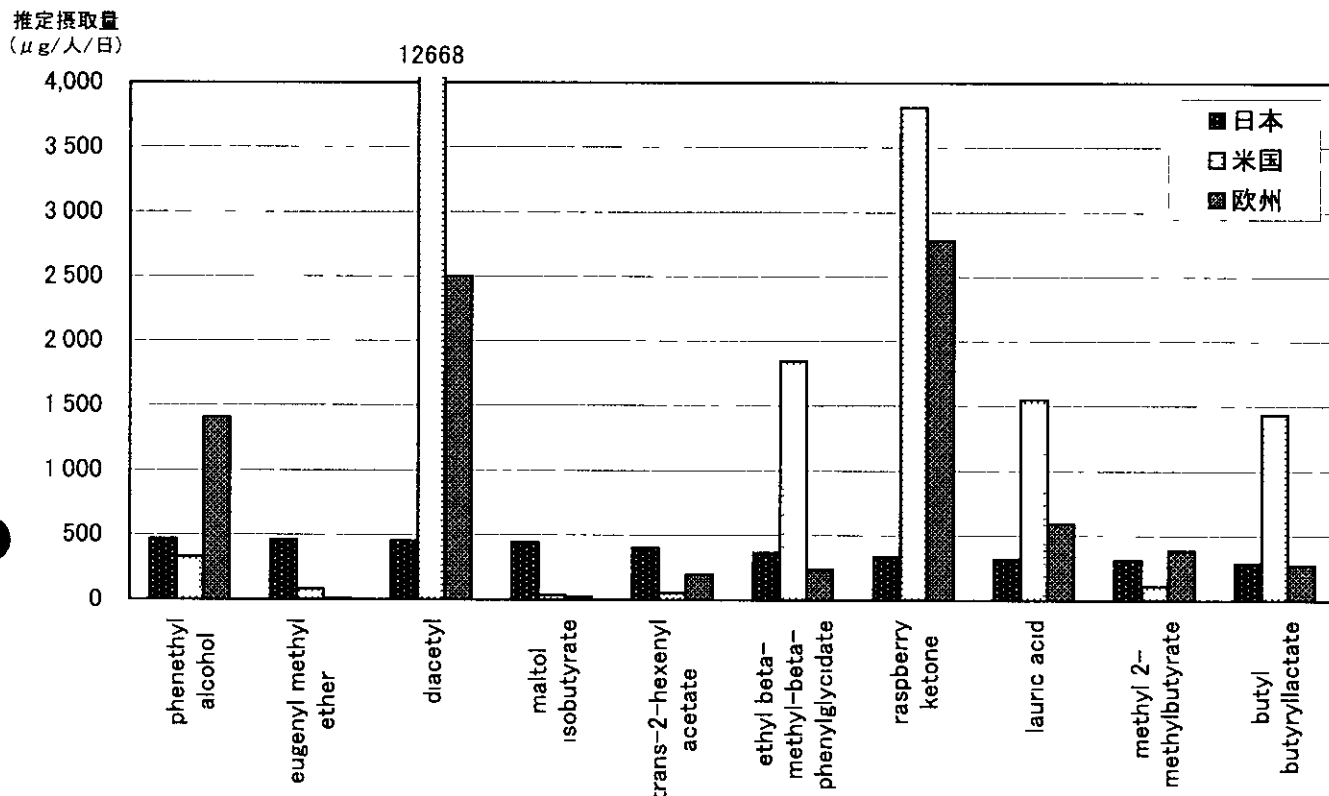
別表第1記載18類品目についての日本、米国、欧州における摂取量比較-4



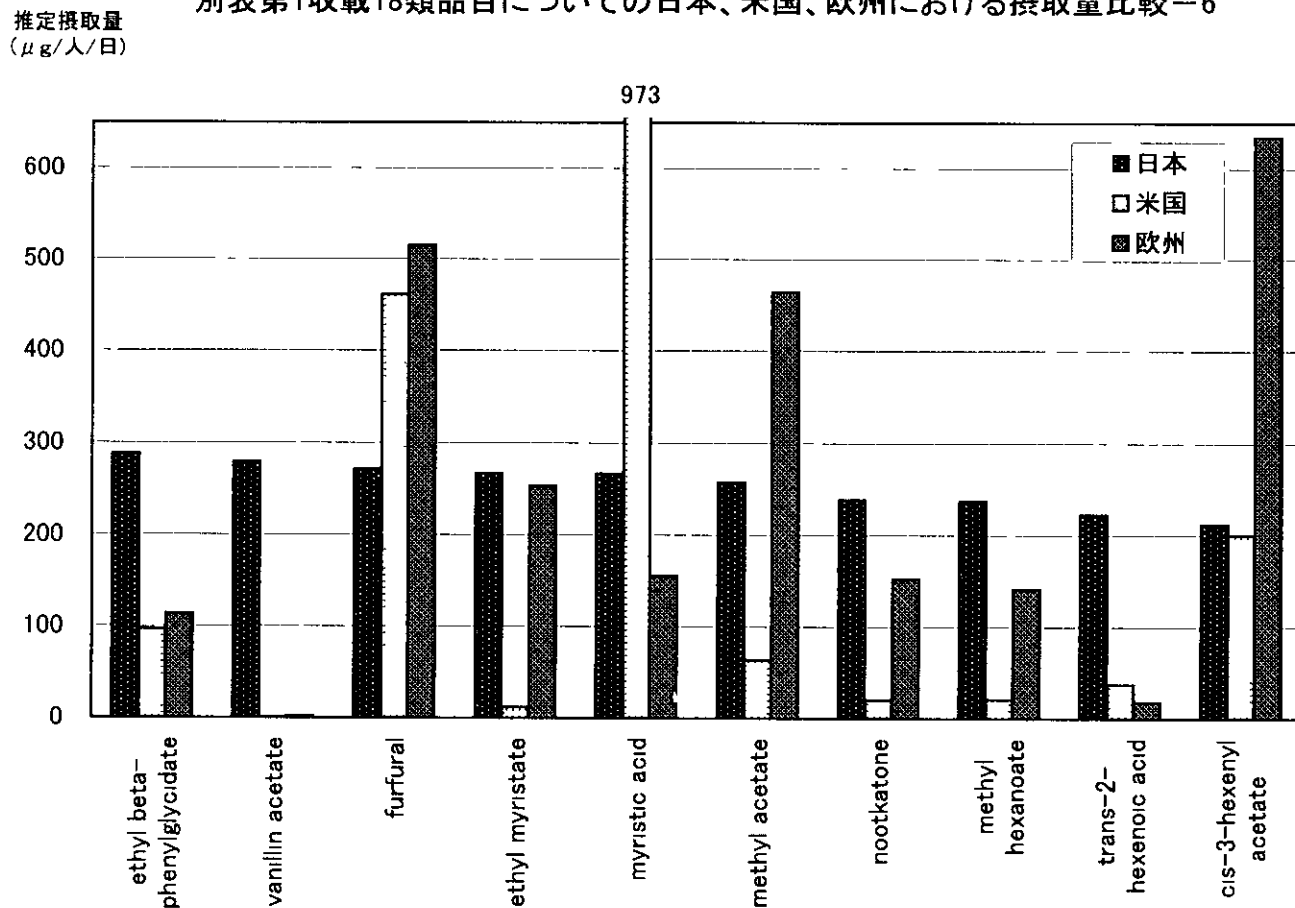


資料7-2

別表第1記載18類品目についての日本、米国、欧州における摂取量比較-5

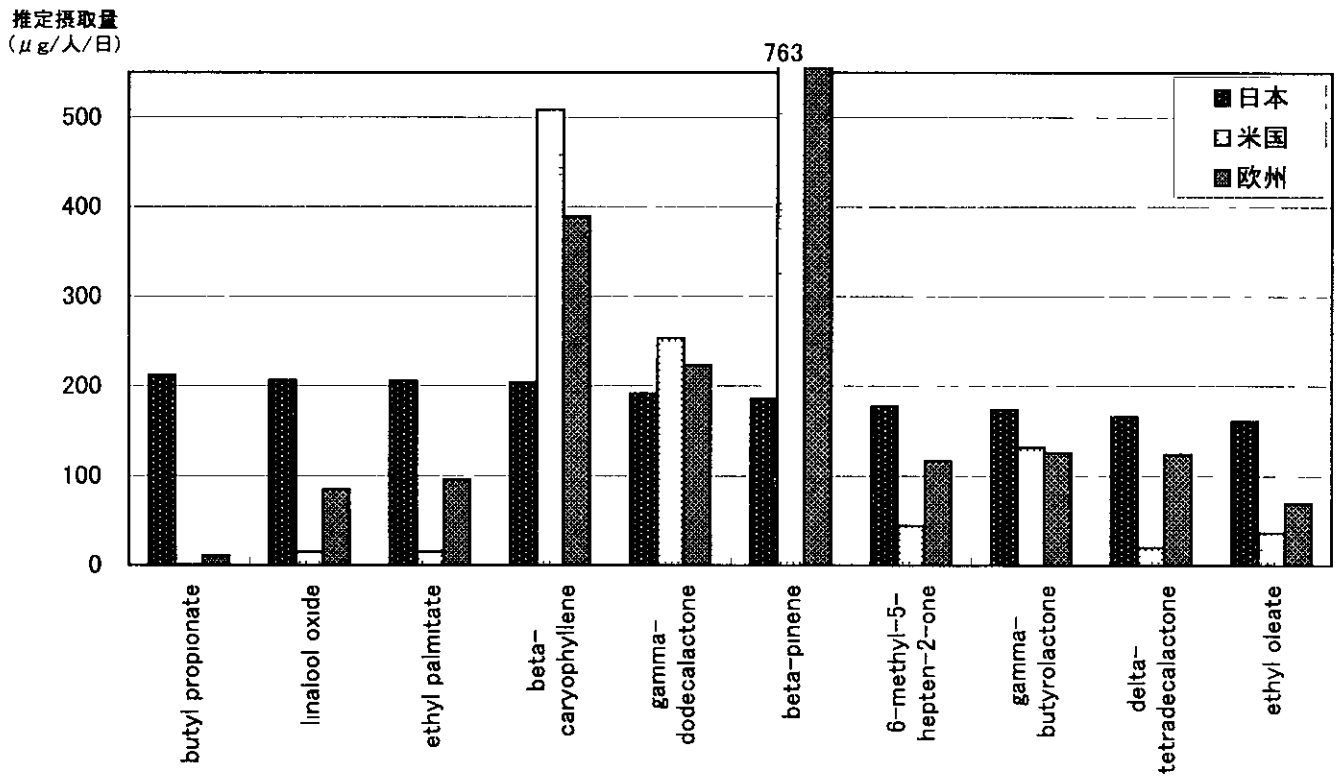


別表第1記載18類品目についての日本、米国、欧州における摂取量比較-6

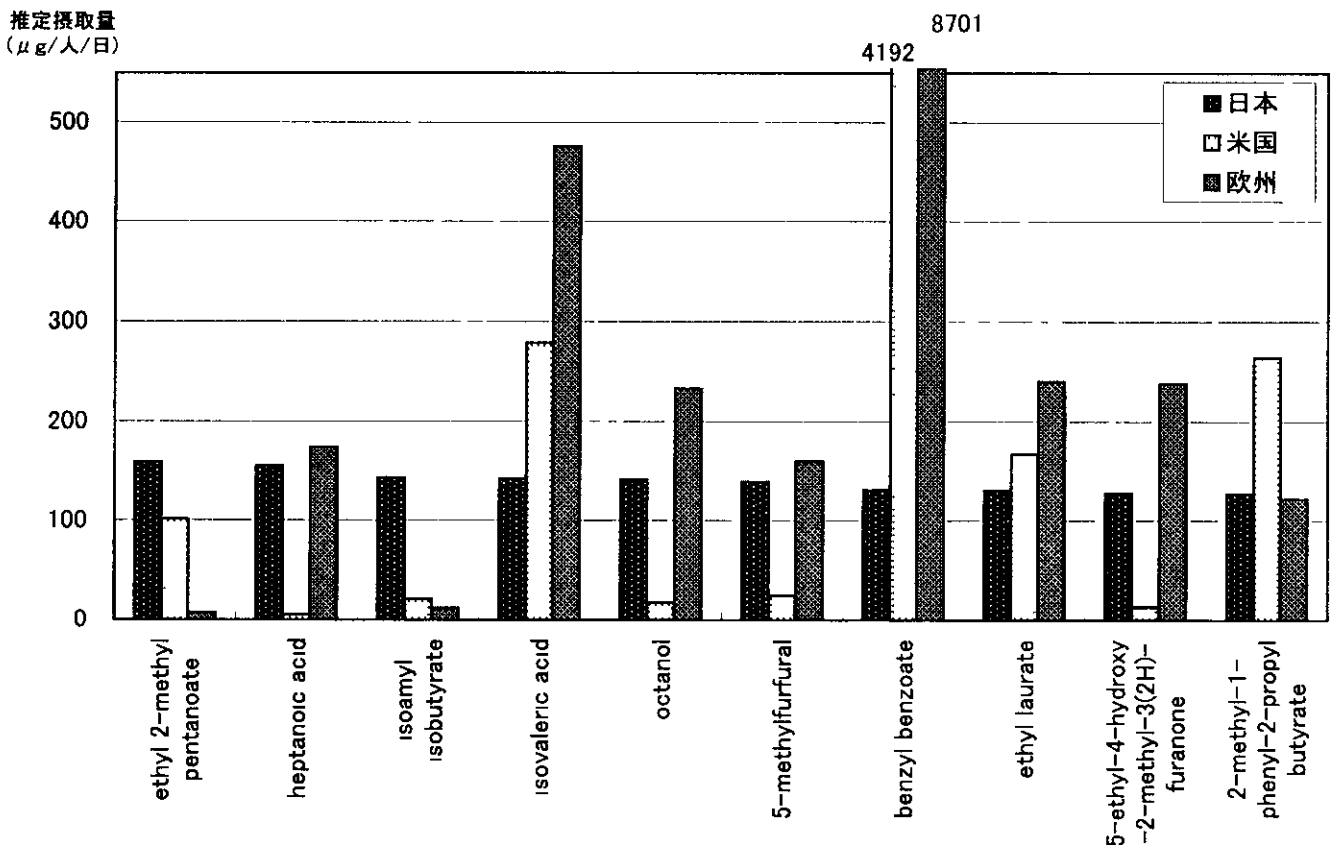


資料7-2

別表第1記載18類品目についての日本、米国、欧州における摂取量比較-7

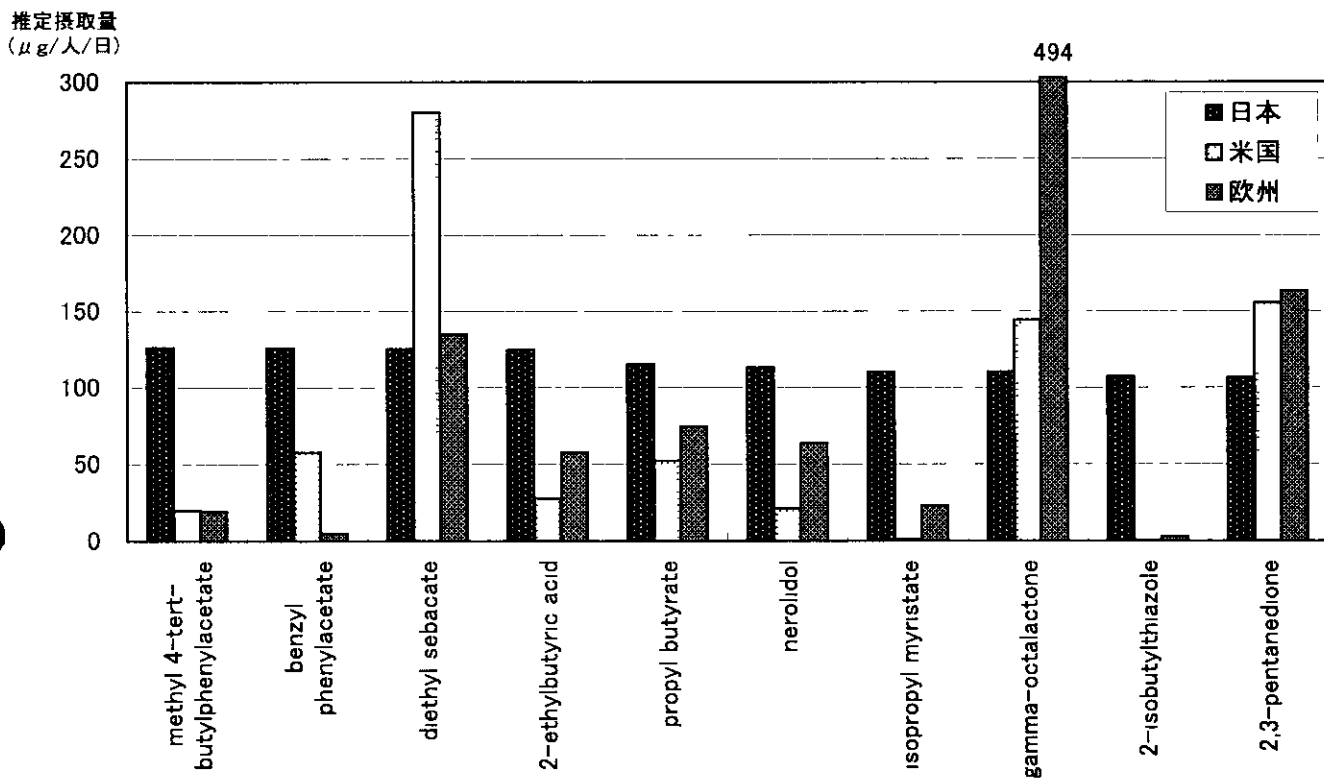


別表第1記載18類品目についての日本、米国、欧州における摂取量比較-8

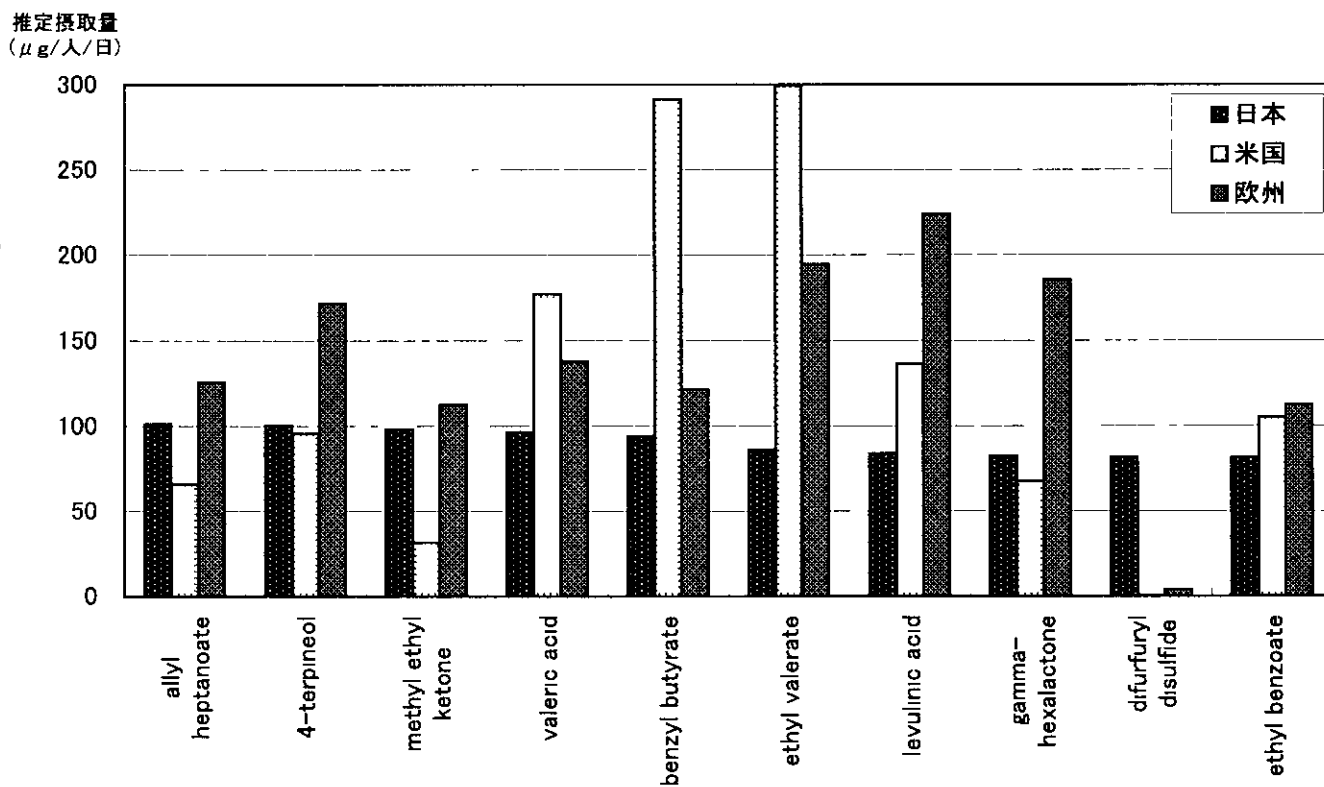


資料7-2

別表第1記載18類品目についての日本、米国、欧州における摂取量比較-9



別表第1記載18類品目についての日本、米国、欧州における摂取量比較-10



## Ⅱ 分担研究報告書

### 2 食品香料の規格定量法及び不純物に関する研究

分担研究者 佐藤 恭子