

EXPERT PANEL FOR FRAGRANCE SAFETY MEETING

DRAFT AGENDA

May 21-23, 2018
New Jersey, USA

Start 9:00 AM

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| 1) Discussion of the Meeting Schedule and Agenda Topics | DVB |
| a) Completion/Signing of Conflict of Interest Statement | AMA |

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| 2) Minutes (Tab 01) (Tab 02) (Tab 03) (Tab 04) (Tab 05) (Tab 06) (Tab 07) (Tab 08) (Tab 09) (Tab 10) (Tab 11) (Tab 12) | |
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| 3) Follow-Up and Informational Items | |
| a) Follow-Up List (Tab 13) | AMA |

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| 4) Standing Items (For Expert Panel information only; per Panel's request) | |
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| a) RIFM Publications (Tab 14) | AMA |
| b) White Paper | JR |
| c) RIFM visit to India | JR |

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| 5) RIFM Safety Evaluation Process | |
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| a) Presentation RIFM Safety Assessment Update and Metrics | DB |
| b) Presentation on Low Exposure Materials (Tab 15) | AMA |
| c) Presentation and Demonstration of Summary Table (Tab 16) | SLC |
| d) Presentation on Update to safety assessment publication | GS/LJ |
| e) Safety Assessment Overview (135 Safety Assessments covering 157 materials)
(SLC/AMA/AP/DB/AL) | |
| f) General Comments | |

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| 6) Review Safety Assessments Batch 1 | |
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CAS#	Material Name	Tab
68738-94-3, 68738-96-5, 68991-96-8 and 68991-97-9	Octahydro-8,8-dimethylnaphthalene-2-carbaldehyde	Tab 17
502-47-6	3,7-Dimethyl-6-octenoic acid	Tab 18
34686-67-4	cyclopentanol, 2-(2-hexen-1-yl)-;cyclopentanol, 2-(2-hexenyl)-	Tab 19

CAS#	Material Name	Tab
5947-36-4	2(10)-Pinen-3-ol	Tab 20
109-49-9	5-Hexen-2-one	Tab 21
689-67-8 and 3796-70-1	6,10-Dimethylundeca-5,9-dien-2-one	Tab 22
1322-58-3 and 4433-36-7	Tetrahydro-pseudo-ionone	Tab 23
67801-33-6 and 67633-95-8	3-(Hydroxymethyl)nonan-2-one	Tab 24
56973-85-4	1-(5,5-Dimethyl-1-cyclohexen-1-yl)pent-4-en-1-one	Tab 25
93-08-3	Methyl beta-naphthyl ketone	Tab 26
941-98-0 and 1333-52-4	1-(1-Naphthyl)ethanone	Tab 27
211299-54-6	4H-4a,9-Methanoazuleno[5,6-d]-1,3-dioxole, octahydro-2,2,5,8,8,9a-hexamethyl-, (4aR,5R,7aS,9R)-	Tab 28
6413-10-1	Ethyl 2-methyl-1,3-dioxolane-2-acetate	Tab 29
6290-17-1	Ethyl 2,4-dimethyldioxolane-2-acetate	Tab 30
4747-07-3	1-Methoxyhexane	Tab 31
122795-41-9, 862111-34-0 and 31996-78-8	2-Ethyl-5-methoxybicyclo[2.2.1]heptane	Tab 32
5331-32-8	Isobornyl methyl ether	Tab 33
53018-24-9	3a,4,5,6,7,7a-Hexahydro-5-methoxy-4,7-methano-1H-indene	Tab 34
27135-90-6	3a,4,5,6,7,7a-Hexahydromethoxy-4,7-methano-1H-indene (isomer unspecified)	Tab 35
80858-47-5	[2-(Cyclohexyloxy)ethyl]benzene	Tab 36
101-84-8	Diphenyl ether	Tab 37
64988-06-3	Ethyl 2-methoxybenzyl ether	Tab 38
91-16-7	1,2-Dimethoxybenzene	Tab 39
150-78-7	p-Dimethoxybenzene	Tab 40
21112-37-8	1,4-Dimethoxy-2-tert-butylbenzene	Tab 41
151-10-0	m-Dimethoxybenzene	Tab 42
4179-19-5	3,5-Dimethoxytoluene	Tab 43
105-45-3	Methyl acetoacetate	Tab 44
141-97-9	Ethyl acetoacetate	Tab 45

CAS#	Material Name	Tab
29214-60-6	Ethyl 2-hexylacetoacetate	Tab 46
111-81-9	Methyl undec-10-enoate	Tab 47
109-42-2	Butyl 10-undecenoate	Tab 48
110-19-0	Isobutyl acetate	Tab 49
540-42-1	Isobutyl propionate	Tab 50
539-90-2	Isobutyl butyrate	Tab 51
624-41-9	2-Methylbutyl acetate	Tab 52
51115-64-1	2-Methylbutyl butyrate	Tab 53
105-79-3	Isobutyl hexanoate	Tab 54
547-63-7	Methyl isobutyrate	Tab 55
868-57-5	Methyl 2-methylbutyrate	Tab 56
556-24-1	Methyl isovalerate	Tab 57
97-62-1	Ethyl isobutyrate	Tab 58
7452-79-1	Ethyl 2-methylbutyrate	Tab 59
108-64-5	Ethyl isovalerate	Tab 60
2270-60-2	Methyl 3,7-dimethyl-6-octenoate	Tab 61
1617-23-8	Ethyl 2-methyl-3-pentenoate	Tab 62
97-85-8	Isobutyl isobutyrate	Tab 63
589-59-3	2-Methylpropyl 3-methylbutyrate	Tab 64
2445-67-2	2-Methylpropyl 2-methylbutyrate	Tab 65
659-70-1	Isoamyl isovalerate	Tab 66
2445-77-4	2-Methylbutyl 3-methylbutanoate	Tab 67
27625-35-0	3-Methylbutyl 2-methylbutanoate	Tab 68
816-73-9	Methylallyl isobutyrate	Tab 69
68039-78-1	Octahydro-4,7-methano-1H-indenemethyl formate	Tab 70
30772-69-1	Octahydro-4,7-methano-1H-indenemethyl acetate	Tab 71
6819-19-8	3-(4-Methylcyclohex-3-enyl)-3-butenyl acetate	Tab 72

CAS#	Material Name	Tab
2021-28-5	Ethyl 3-phenylpropionate	Tab 73
102-13-6	Isobutyl phenylacetate	Tab 74
102-19-2	Isoamyl phenylacetate	Tab 75
139-70-8 and 10486-14-3	Citronellyl phenylacetate	Tab 76

7) Presentation by Dr. Bruze - re-testing only the person who reacted

8) Review Safety Assessments Batch 2

CAS#	Material Name	Tab
Batch 2		
539-88-8	Ethyl levulinate	Tab 77
2408-37-9	2,2,6-Trimethylcyclohexanone	Tab 78
55739-89-4	Cyclohexanone, 2-ethyl-4,4-dimethyl-	Tab 79
2345-26-8 and 2345-24-6	Geranyl isobutyrate	Tab 80
109-20-6 and 3915-83-1	Geranyl isovalerate	Tab 81
102-17-0	Anisyl phenylacetate	Tab 82
10521-96-7	Styryl acetate	Tab 83
37973-51-6 and 37973-52-7	(E)-2-Phenylpropenyl acetate	Tab 84
108-21-4	Isopropyl acetate	Tab 85
638-11-9	Isopropyl butyrate	Tab 86
67952-57-2	1,5-Dimethylhexyl acetate	Tab 87
622-45-7	Cyclohexyl acetate	Tab 88
1551-44-6	Cyclohexyl butyrate	Tab 89
40702-13-4	2-tert-Butylcyclohexyl propionate	Tab 90
123-18-2	2,6,8-Trimethylnonan-4-one	Tab 91
108-10-1	4-Methyl-2-pentanone	Tab 92

CAS#	Material Name	Tab
541-85-5	5-Methyl-3-heptanone	Tab 93
74338-72-0	2,4,4,7-Tetramethyl-6-octen-3-one	Tab 94
68141-18-4	11-Tridecen-6-one, 8,12-dimethyl-	Tab 95
2550-26-7	Benzyl acetone	Tab 96
7403-42-1	4-Methyl-4-phenyl-2-pentanone	Tab 97
4927-36-0	5-Methyl-5-phenyl-3-hexanone	Tab 98
58461-27-1	4-Hexen-1-ol, 5-methyl-2-(1-methylethenyl)-	Tab 99
18294-87-6	1-Cyclohexene-1-acetic acid	Tab 100
564-20-5	Sclareolide	Tab 101
21280-29-5	Lactoscatone	Tab 102
40188-41-8	3,7-Dimethyloctanenitrile	Tab 103
85351-07-1	3-Methyldodecanonitrile	Tab 104
208041-98-9	2-Propyl heptanenitrile	Tab 105
69300-15-8	2-Methyldecanenitrile	Tab 106
61692-84-0 and 7779-81-9	Isobutyl 2-methylcrotonate	Tab 107
41519-18-0	Isopentyl 2-methylcrotonate (E)	Tab 108
53082-58-9	3-Methylpentyl 2-methylisocrotonate	Tab 109
24700-20-7	p-Tolyl 3-methylcrotonate	Tab 110
67801-23-4	2-Isopropyl-5-methylcyclohexyl 2-methylbut-2-enoate	Tab 111
50652-80-7	3-Methyl-2-hexenoic acid methyl ester	Tab 112
1189-09-9	trans-Methylgeranate	Tab 113
16493-96-2	2-Hexenoic acid, 2-methyl-, methyl ester, (2E)-	Tab 114
13058-12-3 and 32659-21-5	Ethyl 3,7-dimethylocta-2,6-dienoate	Tab 115

9) Update on QRA2 Implementation

a) A.M Api Presentation on QRA2

AMA

10) Review Safety Assessments – Batch 3

CAS#	Material Name	Tab
Batch 3		
2396-78-3; 13894-62-7	Methyl 3-hexenoate	Tab 116
41654-15-3	Methyl cis-5-octenoate	Tab 117
13481-87-3	Methyl 3-nonenoate	Tab 118
26553-46-8; 2396-83-0	Ethyl (E)hex-3-enoate	Tab 119
78989-37-4; 34495-71-1	4-Octenoic acid, ethyl ester, (4E)-	Tab 120
606-45-1; 121- 98-2	Methyl o-methoxybenzoate	Tab 121
66576-71-4	Isopropyl 2-methylbutyrate	Tab 122
6784-08-3	4,7,7-Trimethyl-6-thiabicyclo[3.2.1]oct-3-ene	Tab 123
53767-93-4	Dihydromyrcenyl acetate	Tab 124
72214-23-4	Ocimenyl acetate	Tab 125
97-63-2	Ethyl methacrylate	Tab 126
97-88-1	Butyl methacrylate	Tab 127
4802-20-4	Cyclohexaneethanethiol, 3-mercapto-b,4-dimethyl-	Tab 128
67715-80-4; 59323-76-1; 59324-17-3	2-Methyl-4-propyl-1,3-oxathiane; cis-2-Methyl-4-propyl-1,3-oxathiane; trans-2-Methyl-4-propyl-1,3-oxathiane	Tab 129
13532-18-8	Methyl 3-methylthiopropionate	Tab 130
13327-56-5	Ethyl 3-methylthiopropionate	Tab 131
2432-51-1	Methyl thiobutyrate	Tab 132
34322-06-0	S-Isopropyl 3-methylthiobutyrate	Tab 133
2432-91-9	S-2-Butyl 3-methylbutanethioate	Tab 134
34365-79-2	S-1-Methylethyl 3-methylbut-2-enethioate	Tab 135
68084-04-8; 21690-43-7	3-(4-Methyl-3-pentenyl)-3-cyclohexene-1-carbonitrile; 3-Cyclohexene-1-carbonitrile, 4-(4-methyl-3-pentenyl)-	Tab 136
1438-94-4	N-Furfurylpyrrole	Tab 137
137-00-8	4-Methyl-5-thiazoleethanol	Tab 138
24295-03-2	2-Acetylthiazole	Tab 139

CAS#	Material Name	Tab
2525-16-8	Methyl 3,4,5,6-tetrahydro-7H-azepin-2-yl ether	Tab 140
93-04-9	beta-Naphthyl methyl ether	Tab 141
93-18-5	beta-Naphthyl ethyl ether	Tab 142
2173-57-1	beta-Naphthyl isobutyl ether	Tab 143
104-55-2	Cinnamaldehyde	Tab 144
101-39-3	alpha-Methylcinnamaldehyde	Tab 145
84697-09-6	p-Methyl-alpha-amyl cinnamic aldehyde	Tab 146
3487-99-8	Amyl cinnamate	Tab 147
7779-65-9	Isoamyl cinnamate	Tab 148
122-67-8	Isobutyl cinnamate	Tab 149

11) Human Health Research Projects

- a) Epidemiology
 - i) Validation of Clinical Relevance Algorithm MB
- b) Update on RIFM TTC Research AMA/DB
- c) Update on RIFM Genotoxicity Research Projects AMA/YT/KJ

12) Safety Assessment approach to Naturals Complex Substances (NCSs) (Tab 150)

- a) NCS component matrix (Webinar – David Moyler)
- b) Presentation overall approach DS & staff

13) Expert Panel Executive Session

14) IFRA Standards

15) Future Meeting Dates

- Monday – Wednesday Aug. 27-29, 2018 Stockholm
- Monday – Wednesday Jan. 28-30, 2019 Miami, FL
- Monday – Wednesday May 20-22, 2019 Rome
- Monday – Wednesday Sept. 23-25, 2019 New Jersey
- Thursday – Saturday Jan. 23-25, 2020 Miami, FL