

8. SYMBOLS AND CODES

The ingredients used in the formulary have been coded in order to achieve a compact presentation. This was fully explained. An index to the complete coding system is given in the following pages. In most cases these codes are readily interpreted, assuming of course that the technical names are familiar.

As mentioned before, the formula ingredients are listed in the order of decreasing volatility. However, floral compositions and specialties that are often added to the formulations cannot be arranged in this manner. They are listed last with reference numbers to the formulary. In many cases these compounds could be broken down to a few key elements to be added to the basic formula. This greatly simplifies the compounding operation.

A few internationally known specialties are also used and are fully identified. Particular attention is drawn to the following specialties which find frequent applications:

Ambrarome: Specialty of Laboratoires Synarome

Grisambrene and Grisambrol: Specialties of Firmenich & Cie

Abbreviations

abs	Absolute	res	Resinoid
abs (w)	Absolute extracted from water distillate	SB	Shiff's base
crt	Concrete	sub	Substitute
(d)	Decolorized (resinoid)	tls	Terpeneless
Fl	Flower (or Flavor)	tps	Terpenes
		Tr	Tincture

Trade Marks

CNC Trade mark of Firmenich & Cie, successors to Chuit, Naef & Cie, Geneva, Switzerland

LG Trade mark of Leon Givaudan, Geneva, Switzerland

LS Trade mark of Laboratoires Synarome, Asnieres, France

TABLE II. Capital Letter Codes

	A	Acetaldehyde (also Aldehyde, Acetal, Aceto, depending on letter combination)
	C	Carbonate, Carbinol
	D	Di
	E	Ethyl
	G	Glycidate, Glycol
	K	Ketone
	M	Methyl
	O	Oxide
	Q	Quinoline
	B Z A	Benzylidene acetone
B H	Ac	p-t-Butyl cyclohexyl acetate (Vertenex IFF)
C O	A	Citronellyl oxyacetaldehyde
D E	P	Diethyl phthalate
D M	H	Dimethyl hydroquinone
D M	P	Dimethyl phthalate
D P	G	Dipropylene glycol
DMBC	Ac	Dimethyl benzyl carbinol acetate
	D P O	Diphenyl oxide
	EMPG	Ethyl methyl phenyl glycidate (Aldehyde C 16, so-called)
	HTA	Hydratropic aldehyde
HTA-DMA		Hydratropic aldehyde dimethylacetal
	M H C	Methyl heptine carbonate
Me	HTA	Methyl hydratropic aldehyde
	M N A	Methyl nonyl acetaldehyde
	M N K	Methyl naphthyl ketone
	M A	Musk ambrette
	M B	Musk brassylate (Ethylene glycol brassylate, cyclic)
	M K	Musk ketone
	M P	Musk pentadecanolide (Exaltolide CNC, Thibetolid LG)
	M X	Musk xylene
PCME		p-Cresyl methyl ether
THMQ		Tetra hydro methyl quinolene
	T H G	Tetra hydro geraniol (Dimethyl octanol)

TABLE III. Code Index—Aromatic Chemicals

Code	Product
Ac Ph	Acetophenone
Ald C 7	Aldehyde C 7
Ald C 8	Aldehyde C 8
Ald C 9	Aldehyde C 9
Ald C 10	Aldehyde C 10
Ald C 11	Aldehyde C 11, undecylenic
Ald C 12	Aldehyde C 12, lauric
M N A	Aldehyde C 12, Methyl nonyl acetaldehyde
UnLac	Aldehyde C 14 (Undecalactone)
E M P G	Aldehyde C 16 (Ethyl methyl phenyl glycidate)
NoLac	Aldehyde C 18 (Nonalactone)
Am Ac	i-Amyl acetate
Am Bz	i-Amyl benzoate
Am Bu	i-Amyl butyrate
Am Cin Ald	i-Amyl cinnamic aldehyde
Am PhAc	i-Amyl phenylacetate
Am Sal	i-Amyl salicylate
An	Anethole
An Ald	Anisic aldehyde
An Ac	Anisyl acetate
Bz Ald	Benzaldehyde
Bz Ph	Benzophenone
Bz Ac	Benzyl acetate
Bz Alc	Benzyl alcohol
Bz Bz	Benzyl benzoate
Bz Cin	Benzyl cinnamate
Bz For	Benzyl formate
Bz PhAc	Benzyl phenylacetate
Bz Pr	Benzyl propionate
Bz Sal	Benzyl salicylate
B Z A	Benzylidene acetone
Br	Bromostyrole (Bromostyrolene)
Bu Bz	i-Butyl benzoate
B H Ac	p-t Butyl cyclohexyl acetate (Vertenex)
Cp	Camphor, crystals
Cc	Carvacrol
Cv	l-Carvone
Cd	Cedrol, crystals
Cd Ac	Cedryl acetate
Cin Alc	Cinnamic alcohol
Cin Ald	Cinnamic aldehyde
Cin Ac	Cinnamyl acetate
Ci	Citral
Ct	Citronellal
Cl	Citronellol
Cl Ac	Citronelly acetate
COA	Citronellyl oxy-acetaldehyde
Co	Coumarin

TABLE III. Continued

Code	Product
Cr Ac	p-Cresyl acetate
PCME	p-Cresyl methyl ether
Cr PhAc	p-Cresyl phenylacetate
Cum Ald	Cuminic aldehyde
Cy	Cyclamen aldehyde (Cyclamal)
D E P	Diethyl Phthalate
D M Ant	Dimethyl anthranilate
DMBC Ac	Dimethyl benzyl carbinol acetate
D M H	Dimethyl hydroquinone
Dp	Dipentine
D P O	Diphenyl oxide
D P G	Dipropylene glycol
Et Am K	Ethyl i-amyl ketone
Et Bz	Ethyl benzoate
Et Bu	Ethyl i-butyrate
Et Cin	Ethyl cinnamate
EMPG	Ethyl methyl phenyl glycidate (Ald C 16)
Et Oen	Ethyl Oenanthate (Ethyl heptanoate)
Et Pel	Ethyl pelargonate (Ethyl nonanoate)
Et PhAc	Ethyl phenylacetate
Et Pr	Ethyl propionate
Et Sal	Ethyl salicylate
Et Val	Ethyl i-valerate
Et Va	Ethyl vanillin
Eu	Eugenol
Eu Ac	Eugenol acetate
Gu Ac	Guayol acetate
Gl	Geraniol
Gl Ac	Geranyl acetate
Gl For	Geranyl formate
Gl Bu	Geranyl i-butyrate
2Hx Ald	2-Hexenal
2Hx Alc	2-Hexenol
Hx Cin Ald	Hexyl cinnamic aldehyde
He	Heliotropin
H T A	Hydratropic aldehyde
HTA-DMA	Hydratropic aldehyde dimethyl acetal
Hy	Hydroxycitronellal
Et AAc	Ethyl acetoacetate
In	Indole
Io	Ionone alpha
i-Bo Ac	Isobornyl acetate
i-Bo For	Isobornyl formate
i-Bo Pr	Isobornyl propionate
ic-Ci	Isocyclocitral
i-Eu	Isoeugenol
i-Eu Ac	Isoeugenol acetate
i-Ja	Isojasmone

Code	Product
Lil	Lilial
Lm	Limonene
Lin	Linalool
Lin Ac	Linalyl acetate
Lin Pr	Linalyl propionate
Ml	Menthol
Mn	Menthone
Me AcPh	p-Methyl acetophenone
Me Ant	Methyl anthranilate
Me Bz	Methyl benzoate
Me Cin	Methyl cinnamate
Me Eu	Methyl eugenol
Me i-Eu	Methyl isoeugenol
M H C	Methyl heptine carbonate
Me In	Methyl indole (Skatol)
M N K	Methyl naphthyl ketone
Me HTA	p-Methyl hydratropic aldehyde
Me Io	Methyl ionone
M N A	Methyl nonyl acetaldehyde
Me PhAc	Methyl phenylacetate
Me Q	p-Methyl quinoline
Me Sal	Methyl salicylate
Me Un	Methyl undecylenate
M A	Musk ambrette
M K	Musk ketone
M X	Musk xylene
M B	Musc brassylate (Ethylene glycol brassylate)
M P	Musc pentadecanolid (Thibetolid LG)
Nl	Nerol
Ne	Nerolin
NoLac	Nonalactone (Aldehyde C 18)
Nol Ac	1,3-Nonanediol acetate (Jasmonyl LG) - <i>Jasmonyl (virid)</i>
No Ac	Nonyl acetate
Oc Ac	Octyl acetate
PhA	Phenylacetaldehyde (monomer)
PhA-DMA	Phenylacetaldehyde Dimethylacetal (Viridine)
PhAc Acid	Phenylacetic acid
PhEt Ac	Phenylethyl acetate
PhEt Alc	Phenylethyl alcohol
PhEt For	Phenylethyl formate
PhEt Pr	Phenylethyl propionate
PhPr Ac	Phenylpropyl acetate
PhPr Alc	Phenylpropyl alcohol
PhPr Ald	Phenylpropyl aldehyde
P G	Propylene glycol
Rasp cryst	Raspberry crystals (p-Hydroxyphenyl-1-butanone-3)
Rose cryst	Rose crystals (α -Trichloromethyl benzyl acetate)
Rose Oxide	Rose oxide (Methyl-(Propenyl methyl)-tetrahydropyran)

TABLE III - Continued

Code	Product	Vapor micro
Rl	Rhodinol <i>Dimethyl-2,2,4,4-tetramethyl-5-oxo-2-pentanol</i>	
Sa	Safrole	
Sal Ald	Salicylic aldehyde	
Se	Sedanolid	
	Skatol (Methyl indole)	
St Ac	Styrallyl acetate	
Tl	Terpineol	
Tl Ac	Terpinyl acetate	
T H G	Tetrahydrogeraniol	
T H M Q	Tetrahydro p-methyl quinoline (Civetall)	
Thu	Thujone	
Th	Thymol	
UnLac	Undecalactone (Aldehyde C 14, so-called)	
Va	Vanillin	
B H Ac	Vertenex (p-t Butyl cyclohexyl acetate)	
PhA-DMA	Viridine (Phenylacetaldehyde dimethylacetal)	
VI	Vetiverol	
VI Ac	Vetiveryl acetate	
Ya	Yara-yara	