

Flavor Unfitness Worksheet - Microsoft Excel

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Flavor Unfitness Worksheet

Formula Information:

Total Weight	100
Alcohol content (high end of box #10)	69

Don't know how to use this worksheet? See the instructions below!

FEMA #	Ingredient	Weight of ingredient	ppm in flavor	ppm @ 15% ABV	MAX Use Level	Factor higher MAX Use Level	Fit or Unfit?	Remarks
9	-	-	0.0	0.0	-	-	-	-
10	-	-	0.0	0.0	-	-	-	-
11	-	-	0.0	0.0	-	-	-	-
12	-	-	0.0	0.0	-	-	-	-
13	-	-	0.0	0.0	-	-	-	-
14	-	-	0.0	0.0	-	-	-	-
15	-	-	0.0	0.0	-	-	-	-
16	-	-	0.0	0.0	-	-	-	-
17	-	-	0.0	0.0	-	-	-	-
18	-	-	0.0	0.0	-	-	-	-
19	-	-	0.0	0.0	-	-	-	-
20	-	-	0.0	0.0	-	-	-	-
21	-	-	0.0	0.0	-	-	-	-
22	-	-	0.0	0.0	-	-	-	-
23	-	-	0.0	0.0	-	-	-	-
24	-	-	0.0	0.0	-	-	-	-
25	-	-	0.0	0.0	-	-	-	-
26	-	-	0.0	0.0	-	-	-	-
27	-	-	0.0	0.0	-	-	-	-
28	-	-	0.0	0.0	-	-	-	-
29	-	-	0.0	0.0	-	-	-	-

Flavor Ingredient Table Component WS (lbs-gal) Component WS (g-ml) GRAS Materials



1773	97-96-1	2426	Butanal, 2-ethyl-	2-Ethylbutyraldehyde
1774	97-96-1	2426	Diethylacetaldehyde	2-Ethylbutyraldehyde
1775	97-96-1	2426	2-Ethylbutanal	2-Ethylbutyraldehyde
1776	97-96-1	2426	2-Ethylbutyraldehyde	
1777	105-54-4	2427	Butanoic acid, ethyl ester	Ethyl butyrate
1778	105-54-4	2427	Butyric ether	Ethyl butyrate
1779	105-54-4	2427	Ethyl n-butanoate	Ethyl butyrate
1780	105-54-4	2427	Ethyl butyrate	
1781	105-54-4	2427	Ethyl normal butanoate	Ethyl butyrate
1782	97-62-1	2428	Ethyl isobutyrate	
1783	97-62-1	2428	Ethyl 2-methylpropanoate	Ethyl isobutyrate
1784	97-62-1	2428	Propanoic acid, 2-methyl-, ethyl ester	Ethyl isobutyrate
1785	88-09-5	2429	Butanoic acid, 2-ethyl-	2-Ethylbutyric acid
1786	88-09-5	2429	Diethylacetic acid	2-Ethylbutyric acid
1787	88-09-5	2429	alpha-Ethylbutyric acid	2-Ethylbutyric acid
1788	88-09-5	2429	2-Ethylbutyric acid	
1789	103-36-6	2430	Ethyl cinnamate	
1790	103-36-6	2430	Ethyl phenylacrylate	Ethyl cinnamate
1791	103-36-6	2430	Ethyl 3-phenylpropenoate	Ethyl cinnamate
1792	103-36-6	2430	2-Propenoic acid, 3-phenyl-, ethyl ester	Ethyl cinnamate
1793	10094-36-7	2431	Cyclohexanepropanoic acid, ethyl ester	Ethyl cyclohexanepropionate
1794	10094-36-7	2431	Ethyl cyclohexanepropionate	
1795	10094-36-7	2431	Ethyl 3-cyclohexylpropanoate	Ethyl cyclohexanepropionate
1796	10094-36-7	2431	Ethyl cyclohexylpropionate	Ethyl cyclohexanepropionate

Note: For easier searching, use the ctrl-F or 'Find' function.

Component Worksheets:

The other tabs in this worksheet are based on the Guidelines in the “What Makes a Product Unfit?” section in the Drawback Tutorial (http://www.ttb.gov/ssd/drawbacktutorial.shtml#_Toc134863870). Based on the ethanol content of the flavor, this worksheet will calculate the amount needed of an ingredient, in the appropriate units, to make your product unfit.

	A	B	C	D	E	F	G	H	I	J	K
1	Calculation Worksheets for Guidelines										
2	Units: pounds and gallons										
3											
4	Anise Oil		4.43% by weight at 95% ethanol v/v								
5		Alcohol Content (upper end of range in item 10)	Minimum Value Needed to Make Product Unfit		Amount of Anise Oil (pounds)	Weight of Final Product (pounds)	% by weight of Anise Oil	Unfit?			
6			0.000				-	-			
7											
8	Black Pepper Powder		3.6 g/100 mL at 95% ethanol v/v								
9		Alcohol Content (upper end of range in item 10)	Minimum Value Needed to Make Product Unfit		Amount of Black Pepper Powder (pounds)	Volume of Final Product (gallons)	g / 100 mL of Black Pepper Powder	Unfit?			
10			0.000				-	-			
11											
12	Citric Acid		Ethanol ≤ 30% v/v – acid must be ≥ [(0.1 × ethanol %) + 0.5] (g/100 mL)								
13			Ethanol > 30% v/v – acid must be ≥ [0.1 × ethanol %] (g/100 mL)								
14											
15		Alcohol Content (upper end of range in item 10)	Minimum Value Needed to Make Product Unfit		Amount of Citric Acid (pounds)	Volume of Final Product (gallons)	g / 100 mL of Citric Acid	Unfit?		Needed (if product contains mitigating ingredients)	Unfit?
16	Ethanol ≤ 30% v/v		0.500				-	-		1.000	-
17											
18		Alcohol Content (upper end of range in item 10)	Minimum Value Needed to Make Product Unfit		Amount of Citric Acid (pounds)	Volume of Final Product (gallons)	g / 100 mL of Citric Acid	Unfit?		Needed (if product contains mitigating ingredients)	Unfit?
19	Ethanol > 30% v/v		0.000				-	-		0.000	-
<div style="border: 1px solid black; border-radius: 50%; width: fit-content; margin: 0 auto; padding: 2px;">Component WS (lbs-gal)</div>											