

Supplementary Table S1. Flavor Chemicals ($\mu\text{g/mL}$) Below the Limit of Quantification

Compound Name	JUUL™ Pods				Puff	
	“Cool Mint” ^a	“Mint” ^b	“Classic Menthol” ^c	“Menthol” ^d	Bar “Menthol” ^e	Plus “Cool Mint” ^f
β -Caryophyllene	-	4.7	3.7	-	-	18.23
Limonene	2.4	2.8	-	-	2.83	16.93
Methyl Anthranilate	-	-	-	-	-	14.65
trans-Geraniol	-	-	-	-	-	13.25
Ethyl lactate	-	-	-	-	12.9	-
Caffeine	-	-	12.7	11.3	-	-
Hydroxyacetone	-	-	-	-	10.27	8.17
β -Damascone	-	-	-	10	-	-
(E)- β -Ionone	-	-	-	-	2	10.2
Ethyl Vanillin	-	-	-	-	9.73	-
Ethyl Maltol	-	-	8.3	7.7	-	-
cis-Linalool oxide	-	-	-	-	-	7
Methyl salicylate	-	0.6	-	-	6.5	-
Ethyl Propanoate	-	-	-	-	-	6.55
Ethyl butanoate	1	-	-	-	3.67	6.35
1-Hexanol	-	-	-	-	6.03	1.4
β -Pinene	0.8	1.6	-	-	1.67	5.73
Eugenol	-	-	-	-	-	5.25
(3Z)-3-Hexen-1-ol	5	5	-	-	-	-
Vanillin	4.9	-	2.5	-	-	-
Benzyl acetate	-	-	-	-	-	4.85
Estragole	-	-	-	-	-	4.8
Acetylpyrazine	-	-	-	4.8	1.57	4.6
α -Pinene	0.9	0.8	-	-	1	4.3
δ -Decalactone	0.7	-	1.3	4	-	-
Triethyl Citrate	-	-	-	-	3.5	-
Phenethyl alcohol	2.5	3	-	-	3.17	3.53
Methyl cinnamate	-	-	-	-	3.2	-
Thymol	4.1	4.5	1.6	-	3.13	3.03
β -Myrcene	4.4	-	-	-	-	3
δ -Dodecalactone	2.1	-	-	-	-	-
γ -Undecalactone	-	-	-	-	2.1	-
Ethyl Cinnamate	-	-	-	-	-	1.9
Ethyl 2-methylbutanoate	-	-	-	-	1	1.95
Isobutyl Acetate	-	-	-	-	1.93	-
2-Acetylpyrrole	-	-	-	-	1.7	-
γ -Decalactone	-	-	-	-	1.67	-
α -Caryophyllene	-	-	-	-	-	1.65
p-Cymene	1.5	-	-	-	-	1.63
Piperonal	-	-	-	1.5	-	-
Fenchol	-	-	-	-	-	1.4

Isopentyl Alcohol	-	3.5	-	-	1.13	-
Isoamyl Acetate	-	-	-	-	-	1.05
Ethyl Isovalerate	-	-	-	-	-	1
2-Hexen-1-ol, (E)-	-	-	-	-	0.97	-
γ -Terpinene	1.9	0.9	4.3	-	0.5	0.9
2,3,5,6-						
Tetramethylpyrazine	-	-	-	-	-	0.9
Benzaldehyde	1	1.3	-	-	-	0.6

Note: Concentrations of flavor chemicals are an average of 3 - 5 different pods

^a= "Cool Mint" purchased in 2018

^b= "Mint" purchased in 2019

^c= "Classic Menthol" purchased in 2018

^d= "Menthol" purchased in 2019

^e= "Menthol" is a Puff Bar variant

^f= "Cool Mint" is a Puff Plus variant