

Supplementary Information

Detection of 5-hydroxymethyl Furfural and Furfural in the aerosol of electronic cigarettes

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Table S1. Aerosol levels of furans at different power, puff duration and sugar type and concentrations expressed in $\mu\text{g}/\text{puff}$

Solution	Sugar Percentage (%)	Power (W)	Puff Duration (s)	FA ($\mu\text{g}/\text{puff}$)	HMF ($\mu\text{g}/\text{puff}$)
Sucrose	1.49%	10.8	8	2.58 ± 3.34	19.14 ± 22.22
Glucose	1.91%	10.8	8	1.73 ± 1.22	6.77 ± 4.30
Sorbitol	1.01%	10.8	8	0.28 ± 0.25	0.10 ± 0.06
Sucrose	1.49%	10.8	4	0.15 ± 0.26	2.83 ± 1.97
Glucose	1.91%	10.8	4	0.66 ± 0.53	4.42 ± 4.03
Sorbitol	1.01%	10.8	4	0.07 ± 0.13	0.53 ± 0.50
Sucrose	1.49%	4.3	8	0.17 ± 0.25	6.25 ± 1.38
Glucose	1.91%	4.3	8	0.38 ± 0.17	5.34 ± 1.24
Sorbitol	1.01%	4.3	8	0	0.08 ± 0.04
Sucrose	1.49%	4.3	4	0.05 ± 0.06	2.52 ± 0.32
Glucose	1.91%	4.3	4	0.27 ± 0.16	2.71 ± 0.54
Sorbitol	1.01%	4.3	4	0	0.17 ± 0.24
Sucrose	1.26	4.3	8	0.21 ± 0.29	3.88 ± 2.88
Sucrose	0.64	4.3	8	0.18 ± 0.16	2.10 ± 1.88
Sucrose	0.26	4.3	8	0.06 ± 0.06	0.80 ± 0.50
Sucrose	0.03	4.3	8	0.06 ± 0.05	0.37 ± 0.46
Sucrose	1.26	4.3	4	0.03 ± 0.06	1.01 ± 0.67
Sucrose	0.64	4.3	4	0.03 ± 0.04	0.50 ± 0.19
Sucrose	0.26	4.3	4	0.01 ± 0.01	0.50 ± 0.10
Sucrose	0.03	4.3	4	0.01 ± 0.02	0.07 ± 0.05