

1 **Table 1:** Effect of temperature on the migration of linalool and methylchavicol from
 2 LDPE-based films into isooctane

3		Temperature	Thickness ^[1]	Diffusion Coeff. ^[2]	Rate Constant ^[3]	Hill Coeff. ^[4]
4		T/°C	L × 10 ⁶ /m	D × 10 ¹² /m ² s ⁻¹	k/s ⁻¹	n
5	Agent					
6	linalool	4	47.0	0.42 ^a	250.7 ^c	1.92
7		10	47.3	0.68 ^b	167.2 ^b	1.87
8		25	48.4	2.46 ^c	44.5 ^a	1.93
9	methylchavicol	4	48.0	0.35 ^a	346.0 ^c	1.72 ^b
10		10	48.7	0.44 ^b	296.7 ^b	1.35 ^a
11		25	47.5	1.10 ^c	99.1 ^a	1.67 ^b

12 ^[1] For each AM agent, thickness values are non-significantly different ($p > 0.05$).

13 ^[2] For each AM agent, D values with different letters are significantly different ($p \leq 0.01$).

14 ^[3] Rate constant obtained by nonlinear regression. For each AM agent, k values with different letters are
 15 significantly different ($p \leq 0.01$).

16 ^[4] For each AM agent, n values with different letters are significantly different ($p \leq 0.05$).

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